DIRECTORY

PUBLICATIONS OF S & T DEPARTMENTS/AGENCIES
(ANNOTATED)

सत्यमेव जयते
Government of India
Department of Science & Technology
Technology Bhawan, New Mehrauli Road
New Delhi-110016

February 1990

Series : D
No. : 14/90
An NMIS Publication
Feb. 1990

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Coding Sheet for NMIS Publications Database

Author : Department of Science & Technology

Deptt : DST

Title : Publications of Science & Technology Departments/Agencies (Annotated)

Unpriced : ✔ **Open** ✔ **Language:** English

Imprint : Publisher: National Management Information System, DST

Place of Publication : New Delhi

Year : 1990

Collation : Prelim. Pages: 6 Text Pages: 648

Tables ✔ Graphs Charts ✔

Type : Directory **Frequency:** Occasional

Notes : Series D, No: 14/90, Februray, 1990 — A hard copy of the computerised database. Database works in a PC environment.

Annotation : Lists 1950 publications of 25 Deptts/Agencies giving Author, Title, Publisher, an Annotation on the contents of the publication etc. Also contains an overview of the computerised database. Addresses of Deptts/Agencies covered, indexes on keywords, author, subject are provided.

Keywords : Science; Technology; Research; Publications; Information; NMIS Database; MIS; Management System; Bibliography; Software

The infomation in the Directory was not vetted by the concerned Departments/Agencies except in the case of ICMR.

We do not claim to include all the publications of the Departments/Agencies listed in the Directory. The publications available to us only could be incorporated.

Some of the terms used in several fields of each record are still to be standardised.

DST is grateful to all the Departments/Agencies for their cooperation and inputs without which it would not have been possible to bring out this publication.

Foreword

We are all aware of the proliferation of publications, particularly, in the science and technology (S &T) sector. Also, at one time or another, almost every one of us has faced the peculiar problem of locating/retrieving publications and documents which we remember having seen and passed on to a colleague or to the library. Every once in while, we even have wanted to know whether a publication or a document on a given subject exists - but haven't had an efficient way of finding out. Therefore, it was felt that a Management Information System should be built, among other things, to address such a problem. To begin with, it was decided to focus on the existing publication of the various S&T departments.

Accordingly, the Department of Science & Technology (DST) under its National Management Information Systems (NMIS) related activity, has put together a compilation of 1950 records, each giving succinct bibliographic information along with an annotation on the content of the publication, for online access with a user-friendly software operatable on a desk-top PC. In the process of development of this database, the input sheet has been standardised. The standard input sheet has found acceptance with the scientific departments and agencies for adoption as the front-sheet for each of their publications.

A hard copy of the database has been brought out as a Directory with indexing provided for convenient use. Perhaps, the first document of its type, it attempts to collate publications of several departments and agencies; a few interesting documents from industries, laboratories etc. have also been included. While the compilation lays no claim to being exhaustive now, a beginning has been made; and, depending on the response of users and those concerned with the supply of inputs for this database, we hope to make it better and more exhaustive in time to come.

We are grateful to all the departments/agencies for their inputs. I take this opportunity to once again request all the potential suppliers of inputs for this database to kindly ensure that atleast copies of the standardised front-sheets of all their publications, if not the publications themselves, are supplied to the Department of Science & Technology for enlarging and updating this database, for the mutual benefit of all of us.

New Delhi
Feb. 1990

(Vasant Gowariker)
Secretary
Department of Science & Technology
Ministry of Science and Technology
Government of India

I. INTRODUCTION

The investment in Research & Development (R&D) and related Science & Technology (S&T) is estimated to have reached 1.1% of the Gross National Product during 1986-87. A large amount of the investment in S&T comes through a few major Government Departments/Agencies at the Centre like the Department of Agriculture, Department of Atomic Energy, Department of Science and Technology, Department of Space, Indian Council of Agricultural Research, Council of Scientific and Industrial Research. The output products of reports, proceedings of workshops, seminars, conferences, task force and committee reports are generally published by these Departments/Agencies and made available to the scientific community and other interested users. Several pamphlets, informative brochures and folders are also occasionally brought out by the Departments/Agencies. Such short, concise and informative documents convey within a short space, a large amount of useful information. Because of the fact that there is no centralised bibliographic control of S&T publications, many a time, access to these documents has not been easy. Sometimes the awareness of even the existence of a particular document is not widely known.

In these days of high input costs in the Science & Technology sector, it hardly needs any emphasis to say that the dissemination of information generated at such a high cost should be maximised. Many of the publications of the Government Departments/Agencies falling under the category of "Grey Literature" in the parlance of Information Scientists particularly deserve greater attention in this context towards the formation of appropriate Information Resource Management (IRM) policy and the downstream development of MIS for executive decision making.

The Advisory Committee of the Scheme on National Management Information System (NMIS) for the S&T sector launched by the Department of Science & Technology (DST) during the Seventh Five Year Plan in consultation with and the cooperation of other Scientific Departments and Planning Commission, discussed these issues during its First Meeting in September, 1988. A unanimous recommendation was made that an annotated Directory in hard copy of the publications of the S&T Departments should be brought out on a priority basis. It was, in addition, recommended that a computerised database for easy retrieval through keywords should also be developed for dissemination to all the users comprising not only the scientific community but also the S&T executives. After elaborate consultations with experts in the field as well as the user community, a Coding Sheet for the publications of the Government Departments/Agencies was evolved. The Coding Sheet is developed based on the Common Communication Format (CCF) modified to the extent of making the record more useful as a Management Information System (MIS) tool. The Coding Sheet so evolved was put to several user tests and finally accepted in the preparation of a computerised database. The Advisory Committee in its Second Meeting on 6th June, 1989 approved and recommended its adoption as a front sheet for all the publications emanating from the Government Departments/Agencies. A copy of the Coding Sheet is given at the end of this Chapter as Annexure I.

In view of the fact that some of the scientific agencies like Indian Council of Agricultural Research (ICAR) have got excellent libraries containing all their publications going back to several decades, it was decided for operational convenience, that the most recent publications only should be taken for incorporation into the database. Therefore, the publications brought out by the various S&T Departments during the last 3 - 4 years have been mainly entered into the database. However, where a document is very significant like the Scientific Policy Resolution, 1958, or in case it is recommended by any specific department, even older publications have been collated, coded and entered into the database.

While the database preparation was under progress, it was observed that some of the agencies like Indian National Scientific Documentation Centre (INSDOC), National Institute of Science, Technology and Development Studies (NISTADS) and a few others have brought out publications which have a relevance for the S&T executives and decision makers. Therefore, the publications of these agencies and a few dissertation papers prepared by Information Scientists have also been included in the database. Nine publications of the DST Aided Institute - Sree Chitra Tirunal Institute of Medical Science and Technology, , Trivandrum were appended in the last stage when the Directory was under printing.

The development of the database was taken up through various Consultants and Experts particularly for collection of the documents from different S&T Departments/ Agencies. In order to periodically review the progress of the work and also to obtain user reactions, a Monitoring Committee was constituted. Inputs from the members of the Monitoring Committee have been found to be very useful in the progressive development of the database.

The computerised database supported by User Manual was demonstrated to over 90 officers of the participating S&T Departments/ Agencies during January, 1989. The database has been subsequently distributed to over 24 computers located in 15 Departments/ Agencies.

PUBLICATIONS DATABASE
(CODING SHEET)

A

SL. NO | DATE | COLLECTOR | CODE

B

1 **AUTHOR** (75) | 2 **DEPTT** (4)

3 **TITLE** (150)

IMPRINT | 6 FREE | 7 OPEN | 8 CLASSIFIED | 9 LANGUAGE (10)

4 Publisher (50) | 10 PRCD | 11 PRICE (7) . | 12 YEAR (2)

5 Place of Publication (15)

COLLATION

13 Prelim		17 Grph	
14 Text		18 Pic	
15 Chrt		19 Table	
16 Diag		20 Other	

21 **TYPE**

Report	Conf. Proc	Listing	Wkshp	
Sem Proc	Symp	Course	Jrnl	Book
Directory	Guide	Manual	Brochure	
Bklet	Pamphlet	Other		

22 **FREQUENCY**

Irreg.			
One Time	Wkly		
Fort Ntly	Monthly	Qrtly.	Hf. Yearly
Annl	Bi-Annl	Other	

23 **NOTES** (100)

24 **ANNOTATION** (300)

25 **KEYWORDS** (6 x 30 + 2 x 30)

1
2
3
4
5
6
(7)
(8)

C

CHK	APD	Ent	Remarks
Dt	Dt	Dt	

Department of Science & Technology
Technology Bhavan
New Mehrauli Road
New Delhi 110016

Series : F
No. 16/90
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PUBLICATIONS DATABASE (CODING SHEET)

HOW TO FILL:

There are three parts: **A, B** and **C**.

- ☐ **Parts A&C** are for managerial control.
- ☐ **Part B** contains the fields which are to be entered in the computer in the following manner:

1. Author's name to be given (if any) - Last name, Initials - Maximum (Max) Characters (Chs) 75. Upper case only. *eg. WALSH, AG*

2. Department's or Organisation's name coded to a maximum of 4 characters (capital letters) to be tick marked. *eg. CBIP for CENTRAL BOARD OF IRRIGATION AND POWER.*

3. Title as it appears on the cover of the publication. Max. chs. 150. *eg. BALCO* Captive Power Plant, Korba

4. Name of Publisher - max. chs. 50. *eg. CBIP*

5. Name of Place of Publication - max. chs. 15. *eg. New Delhi*

6. to 8 &10. Tick mark as applicable. *eg. Free* ☐ *Priced* ☑ *Open* ☑ *Classified* ☐

9. Language of Publication - max Chs. 10. *eg. English.*

11. Indicate Price in Rupees - max. chs. 7. *eg. 25.00*

12. Year of Publication - max. chs. 2. *eg. 87*

13. Number of preliminary pages - max. chs. 2. *eg. 2 (Arabic numerals)*

14. Number of Text pages - max. chs. 3. *eg. 32*

15. to 20. Tick mark if present. *eg. Charts* ☑ *Pictures* ☑

21. Tick mark as applicable. *eg. Report* ☑

22. Tick mark as applicable. *eg. Annual (Annl)* ☑

23. This space can be used for sub-titles or additional information (like publication number), appearing on the title page. Max. chs. 100. *eg. A publication under CBIP Research Scheme on Power. Tech. Rep. no. 59,* Give No. of references if possible.

24. Succinct factual information about what the publication contains to be written in telegraphic language. Max. chs. 300 (upper & lower case). *eg. Report indicates in detail the way GEC UK went about this project from pre-contract requirements to actual execution at site. Project programme, pert charts, staff posting with defined duties, interface management, planning reports, despatch list etc. explained.*

25. Computer accepts six keywords. Additional space is provided for two more keywords. Each keyword has a max. chs. of 30. Hyphens,' a', 'an', 'the', 'and'. are neglected. No abbreviations like bldg for building may be used. The computer can pick up any combination of words appearing in a set of 6x4 words of each record. No controlled vocabulary is used. However, The Thesaurus of Scientific, Technical & Engineering Terms (TSTET), 1988 is advised for adoption. (Keywords to be entered in upper case only).

eg. PROJECT PLANNING
CONSTRUCTION MANAGEMENT
BALCO POWER PLANT KORBA
THERMAL POWER PLANT
TIMEBOUND PROJECT CONSTRUCTION

The Computer responds when the user keys in PROJECT or PLANNING or PROJECT AND PLANNING or PLANNING AND POWER or THERMAL AND MANAGEMENT etc.

Series : F
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II. COMPUTERISED DATABASE

The Software of the Publications Database developed in language 'C' is extremely user friendly and easy to interact.

This software runs directly on MS-DOS based PC. It has the following features:

* **Query on**

- Author
- Department
- Keywords with a Boolean combination upto six words (operators OR, AND and NOT)

* **View/Print/Copy**

After the desired selection of a document through query routine, the database record(s) can be viewed on screen or printed on the printer or can be copied on to a floppy/disc.

* **Help**

Provides online help on all the modules of the software.

* **Fields**

Selects desired fields that are to be displayed or printed for the search results. The fields included are;

- Author
- Department
- Title
- Place
- Publisher
- Year
- Collation
  - Preliminary pages
  - Text pages
  - Other
- Notes
- Keywords
- Annotation
- Type
- Price
- Classification
- Frequency

* Dictionary

Provides dictionary of keywords on a given alphabetical letter

* Enter/Edit

Information on the database can be entered or edited through user friendly routines

* Population

This phase creates index for inverted files for direct search on queries enabling very fast retrieval.

SYSTEM CONFIGURATION

The minimum configuration for running the Publications Database is:

- IBM Compatible PC with 640 KB of main memory.

  Monochrome/CGA compatible colour VDU.

  Two 5 1/4" floppy drive (360KB) & one 20 MB Winchester drive.

or

- IBM Compatible PC-XT/PC-AT with at least 640 KB main memory.

  Monochrome/CGA compatible Colour VDU, one 5 1/4" floppy drive.

  (360 KB) and one 20 MB Winchester drive.

- Optional 80/132 column hard copy printer

  An XT/AT system is recommended as it considerably speeds up operation.

SOFTWARE REQUIREMENT

- DOS 3.2 operating system (supplied with the computer)

- Database software consisting of program diskette containing the program NMIS.EXE and associated files.

  Data diskettes: Labelleted DATA 00n.DBF where 'n' denotes number of database files.

PREPARING PC-XT/AT FOR USE

In case you have a PC-XT/AT compatible system, the program and data diskettes must be loaded on the hard disk.

It is recommended to create a separate directory called NMIS on your disk. (the system can, of course, be run from any directory).

Copy all files from the program and data diskettes (in drive A) to drive C, NMIS directory. To do this, make NMIS the current directory of C. Then insert program diskette in drive A and type:

```
COPY A: *.*
```

On successful copy operation, system prompts with 4 files copied. Copy data diskettes into NMIS directory in a similar way.

The system is now ready to use.

OPERATION WITH TWO FLOPPY SYSTEM

On > A prompt after system boot, followed by Date/Time prompts, insert program diskette in drive A. Drive A should not be opened; or diskette changed during the entire database retrieval operation.

Data diskettes would be required in drive B. The program will prompt which DATA00n.DBF diskette is to be inserted in order to retrieve the relevant data.

STARTING THE PROGRAM

From the appropriate drive and directory i.e.

Drive C, directory NMIS or Drive A whichever is applicable, run the program NMIS.

The first display to appear on the screen is NMIS in large fonts, with changing colours (or changing intensities, in case of monochrome display). This screen is automatically replaced by two more screens, each displayed for a few seconds giving general information about the system. The fourth screen, describes briefly how to enter various modes.

ORGANISATION OF THE DATABASE

RECORD ORGANISATION

Each publication, referred to as a RECORD in the database, is divided into a number of FIELDS. Some of the fields are searchable. The organisation of records is as follows:

Field Name	Length	Remarks
Author	75	Author(s) if any
Department	4	Coded for ease of entry
Title	150	
Place	16	Place of publication
Publisher	50	
Year	4	Year of publication
COLLATION:		
Preliminary	2	Preliminary pages
Text	3	Actual text pages
Other	-	Gives indication of other useful contents e.g. Charts, Diagrams, Graphs, Tables etc.
Notes	100	Gives details not contained elsewhere
Keywords	180	Upto six keywords of maximum 30 characters each are given for each publication. Keywords may be combination of words.
Annotation	300	Gives salient features of the publication
Language	10	Contains language of the publication
Type	20	Describes the type of publication
Price	8.2	Price in Rupees
Class	10	Whether OPEN or CLASSIFIED
Frequency	10	Frequency of publication

A complete record occupies two screens during viewing. The record is presented in the above order.

SEARCH FIELDS

The following fields may be specified in defining a query.

- PUBL.TYPE
- DEPARTMENT
- AUTHOR (first author in case of more than one)
- KEYWORDS : Upto six keys may be given for any query.
  Operators are used to define logical connection.

KEYWORDS

Keywords form the most important part of any record. A majority of queries are based on keywords. Keywords are intended to give a cryptic definition of the record. Upto six keywords are allowed, to enable definition of a record from a number of perspectives. This permits a searcher to approach the record from any angle, depending on one's interest.

Both specific and general keywords are included so as to satisfy the needs of a vide variety of search strategies.

Each Keyword can be a single word or a combination of words, not exceeding 30 characters. However, to simplify data entry by the searcher only first eight characters of any word are taken into account. This also enables variants of the same root to be treated as identical keys. In the absence of this "equivalence" feature, user may find it very frustrating to define valid queries, as minor variations of suffixes (especially for longer words) are very likely when two different persons specify the same word.

Another commonly encountered problem in key selection is plurals. All plurals are converted into singulars for the purpose of search. It is therefore quite immaterial how the user enters the word. Thus, PLAN and PLANS may be used without any problem.

Articles (A, AN, THE), Prepositions (OF, ON, IN etc.) and special characters (-, +, comma, colon etc.) that have no relevance in actual search are also ignored. These are generally difficult to remember and not uniformly applied by all users. These are ignored, whether entered or not leading to a more efficient and friendly search environment. Thus:

STATE-OF-ART; STATE-OF-THE-ART; STATE OF ART are treated as identical.

Combination of keywords may be formed in more than one way.
For example:

TECHNOLOGY TRANSFER and TRANSFER OF TECHNOLOGY have identical meaning and should lead to identical searches.

However, owing to different positions of constituent words, the two combinations appear to be different keywords. The retrieval system takes such situations into account and comes up with identical results.

The flexibility of not having to specify words within a keyword in strict order requires certain care to be taken while handling complex keys in which sequence is important. For example when INFORMATION TECHNOLOGY is given as a key, the system searches for the occurrence of:

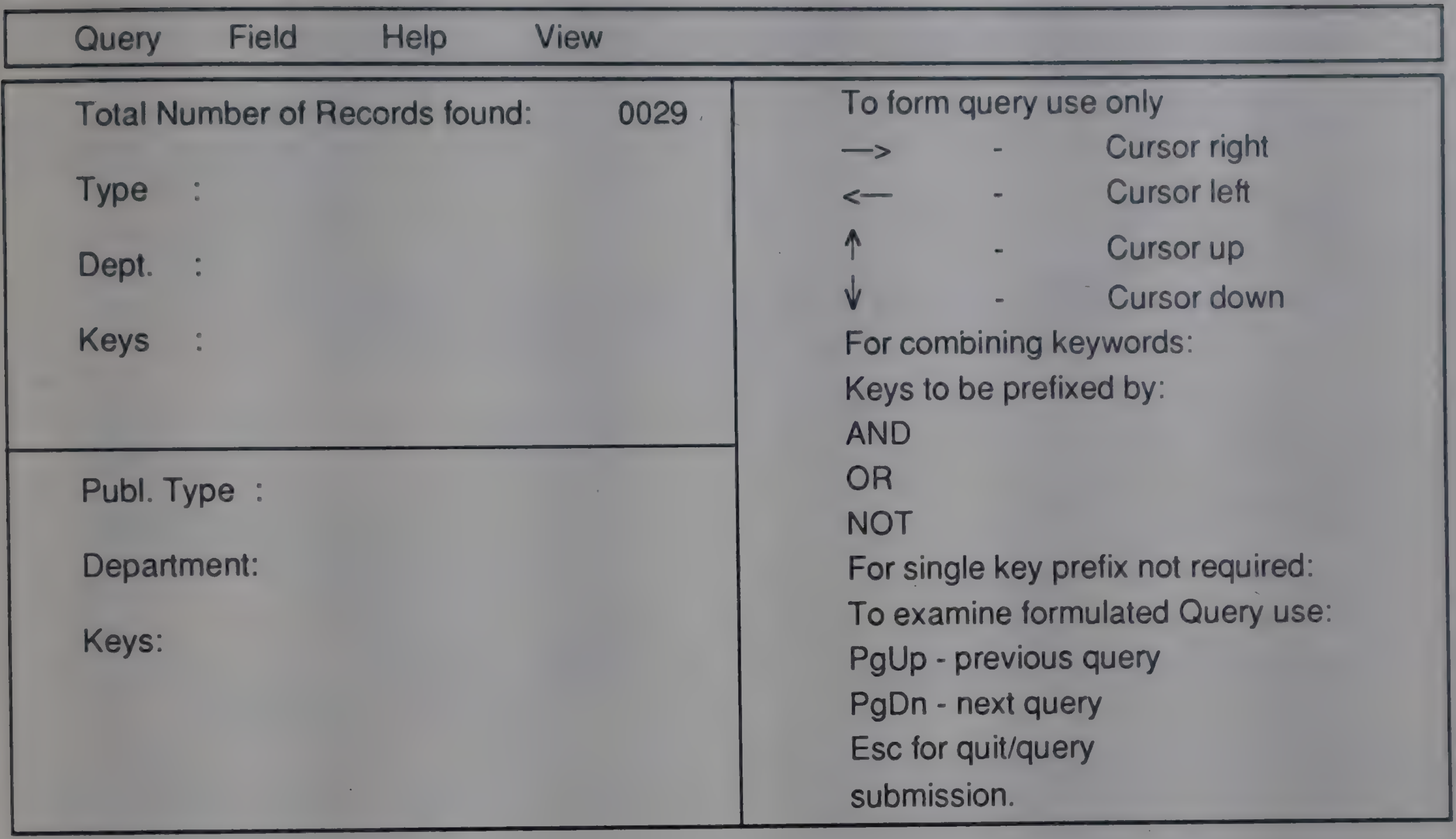
INFORMATION TECHNOLOGY
or
TECHNOLOGY INFORMATION

As the former has a special connotation, in order to get to the records of interest in that context, query can be further qualified using related keys such as:

COMPUTER; COMMUNICATION; SOFTWARE etc.

SAMPLE QUERY SESSION

By pressing (ALT) & (Q) on the Main Menu the folowing screen appears:



Query
Field
Help
View

Total Number of Records found: 0029

Type :

Dept. :

Keys :

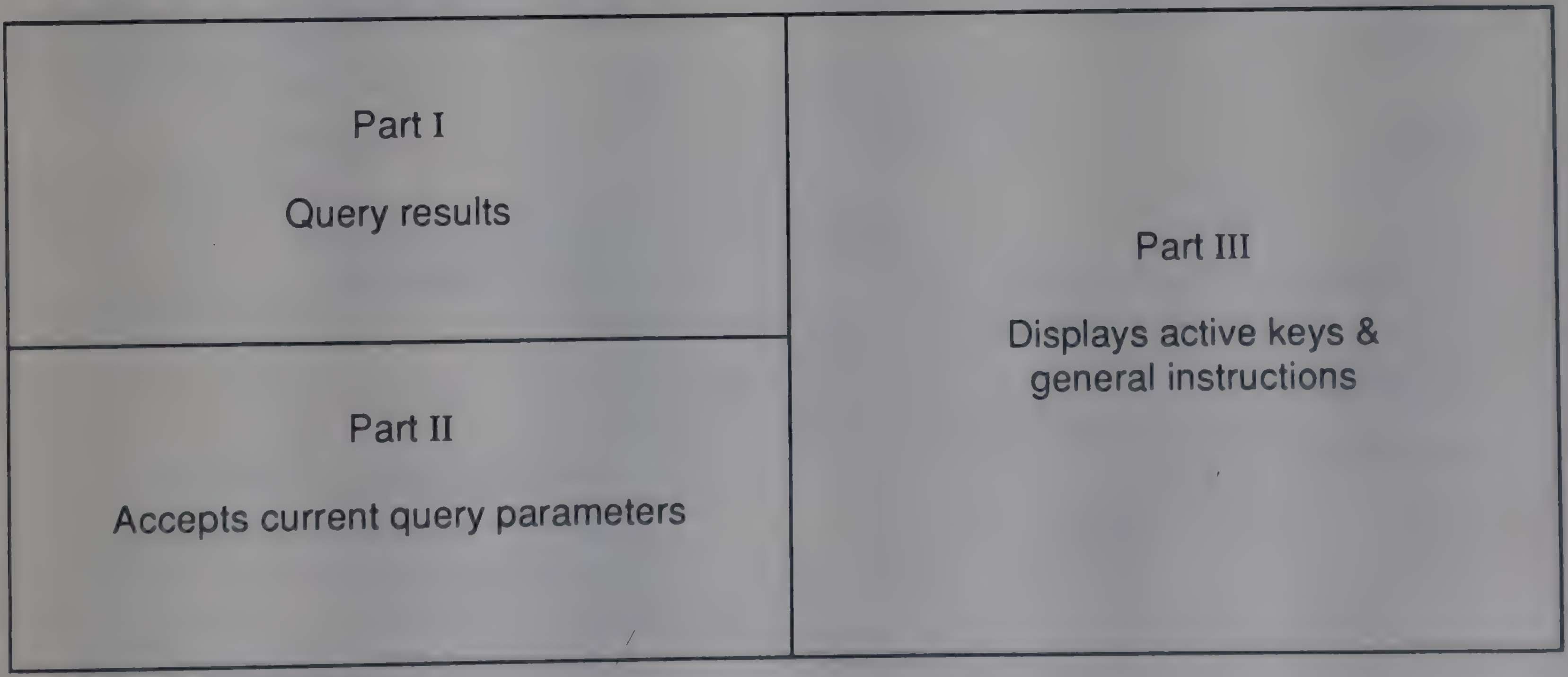
Publ. Type :

Department:

Keys:

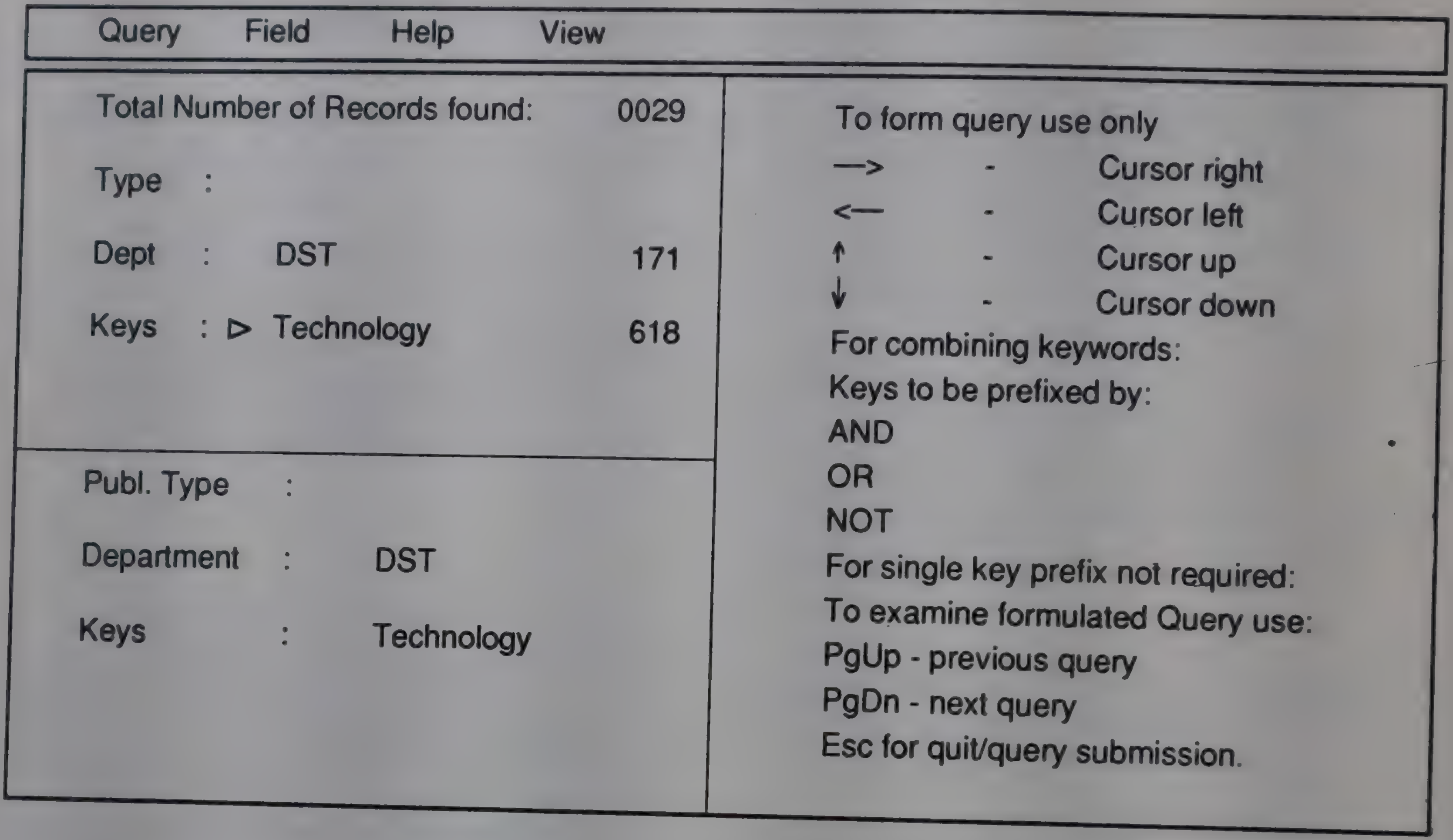
To form query use only
—> - Cursor right
<— - Cursor left
↑ - Cursor up
↓ - Cursor down
For combining keywords:
Keys to be prefixed by:
AND
OR
NOT
For single key prefix not required:
To examine formulated Query use:
PgUp - previous query
PgDn - next query
Esc for quit/query
submission.

The above screen contains three parts:



Part I
Query results
Part II
Accepts current query parameters
Part III
Displays active keys & general instructions

The folowing diagrams depict self explanatory query screens on various cobinations of parameters:



Total Number of Records found: 0029

Type :

Dept : DST 171

Keys : ▷ Technology 618

Publ. Type :

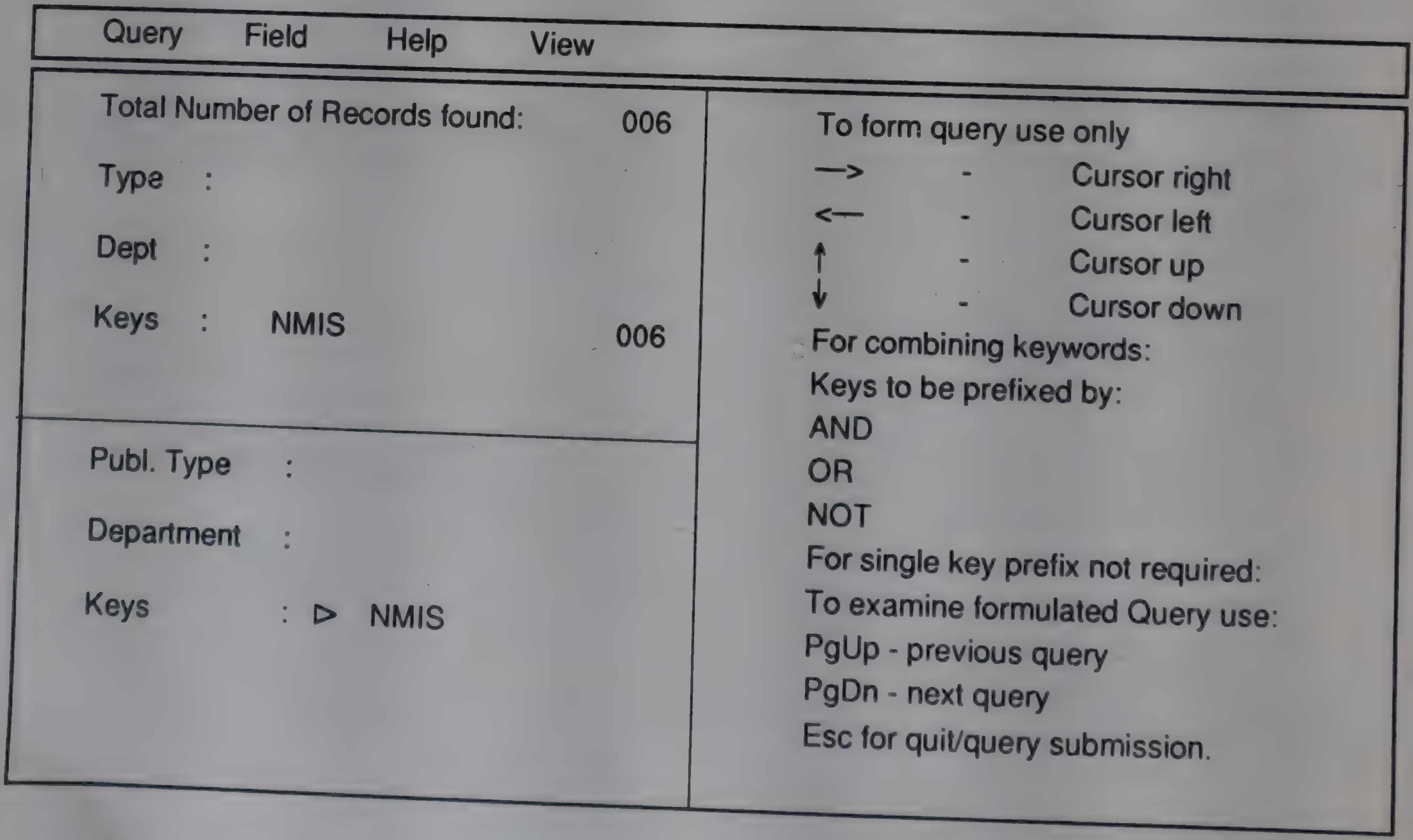
Department : DST

Keys : Technology

To form query use only

—> - Cursor right
<— - Cursor left
↑ - Cursor up
↓ - Cursor down

For combining keywords:
Keys to be prefixed by:
AND
OR
NOT
For single key prefix not required:
To examine formulated Query use:
PgUp - previous query
PgDn - next query
Esc for quit/query submission.



Total Number of Records found: 006

Type :

Dept :

Keys : NMIS 006

Publ. Type :

Department :

Keys : ▷ NMIS

To form query use only

—> - Cursor right
<— - Cursor left
↑ - Cursor up
↓ - Cursor down

For combining keywords:
Keys to be prefixed by:
AND
OR
NOT
For single key prefix not required:
To examine formulated Query use:
PgUp - previous query
PgDn - next query
Esc for quit/query submission.

The database records after each search can be viewed on screen/printed on paper or copied on to a floppy after pressing (ALT) & (V). The following example shows a sample record on the screen:

```
Enter     Update   Populate    Query    Create   Fields    Help   View

Record Number      =      0979
Author             :

Department         :      DST
Title              :      Research & Development Funding Schemes of Central Government
                          Departments and Agencies - General Information

Place              :      New Delhi
Publisher          :      DST
Year               :      89
Collation :-
Preliminary        :      0
Text               :      95
Others             :
Notes              :      Series G, No. 7/89, An NMIS Publication. Provides an Index at the
                          end.
Keywords           :      NMIS

To continue press any key
```

```
Enter     Update   Populate    Query    Create   Fields    Help   View

Record number      =      0979
                          R&D SUPPORT PROMOTION
                          RESEARCH SCHEMES FUNDING
                          EXTRAMURAL PROJECTS
                          SCIENTIFIC EQUIPMENT
                          EMOLUMENTS SALARIES
Annotation         :      Contains information on the R&D Schemes of 18 S&T Departments,
                          Brief introduction, Mechanism of implementation, Areas of Re-
                          search, Contact address etc. are listed under each scheme. Five
                          Annexures deal with R&D Expenditure, State Councils, Import of
                          Equipment and emoluments for Research staff.

Type               :      Directory
Price              :      Free
Class              :      Open
Frequency          :      Annual

To continue press any key/Esc to quit
```

III. AN ANALYSIS OF THE PUBLICATIONS

Depicted below is a crisp analysis of the Directory based upon 1950 records included in the Publications Database.

i. Most of the Government publications are open (98%). Only 2% are restricted.

ii. Nearly 700 publications do not contain the year of publication. There has been a steady growth in the number of publications from 1986 to 1987.

iii. Reports (total 724) constitute the highest number (37%) of the publications followed by Folders 16.56% (323).

iv. More than 83% of the publications are not priced. Most of the priced publications belong to Agencies like CBIP, ICMR etc.

v. NRDC has the highest share of about 21% of total publications. ICAR with 318 publications comes next.

vi. More than 1500 publications are from New Delhi. The rest come from Bombay, Bangalore and a few other places.

GENERAL INFORMATION

Number of Keywords in the database = 17,318

Total Number of unique Keywords for access = 2,920

Code		*Departments/Agencies*	*No.of publications*
BHEL	-	Bharat Heavy Electricals Limited	47
CBIP	-	Central Board of Irrigation & Power	121
CSIR	-	Council of Scientific & Industrial Research	93
DAE	-	Department of Atomic Energy	176
DBT	-	Department of Bio-technology	11
DNES	-	Department of Non-conventional Energy Sources	17
DOD	-	Department of Ocean Development	21
DOE	-	Department of Electronics	42
DOEn	-	Department of Environment	23
DOS	-	Department of Space	127
DRDO	-	Defence Research & Development Organisation	31
DSIR	-	Department of Scientific & Industrial Research	56
DST	-	Department of Science & Technology	210
ICAR	-	Indian Council of Agricultural Research	318
ICMR	-	Indian Council of Medical Research	67
IMD	-	India Meteorological Department	22

INSDOC	-	Indian National Scientific Documentation Centre	15
NISTADS	-	National Institute of Science, Technology and Development Studies	54
NRDC	-	National Research Development Corporation	419
SAIL	-	Steel Authority of India Limited	26
UGC	-	University Grants Commission	5
		Unpublished dissertations & Others	49
		Total	1950

Year	*No.of publications*
Pre - 1984	168
1984	66
1985	161
1986	235
1987	322
1988	246
1989	48
1990	3
Year not specified	701
Total	1950

Type	*No.of publications*
Book	57
Booklet	48
Brochure	133
Conference Proceedings	25
Directory	75
Folder	321
General Information	44
Guide	53
Hand Book	45
Journal	45
Pamphlet	123
Project Report	40
Report	684
Workshop Proceedings	44
Others	213
Total	1950

Place of publication		*No.of publications*
Bangalore		123
Bombay		182
Delhi		1517
Hyderabad		37
Others		91
	Total	1950

Open Vs. Classified		*No.of publications*
Classified		37
Open		1913
	Total	1950

Priced Vs. Not priced		*No.of publications*
Priced		322
Not priced		1628
	Total	1950

IV. ADDRESSES OF THE DEPARTMENTS/ AGENCIES WHOSE PUBLICATIONS ARE LISTED

Bharat Heavy Electricals Ltd.
(BHEL)
BHEL Hs Asian Games Village
Siri Fort Road,
New Delhi-49

Tel: 6442031
6446437

Member Secretary
Central Board of Irrigation
& Power
Malcha Marg, Chanakyapuri
(CBIP)
New Delhi-110021

Telegram:
CENBIP (ND)
Telex: 31-4415
Tel: 3011294

CMC of India Ltd., (CMC)
Jiwan Vihar Building
Sansad Marg
New Delhi-110 001

Tel: 351824

Director (Research,
Development & Technology)
Central Mine Planning
& Design
Institute Limited, (CMPDI)
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BHEL

Bharat Heavy Electricals Ltd.

V.1

Records: 0001 — 0047

0001

Title	1982-83 Catalogue
Author	
Publisher	BHEL
Place	New Delhi
Type	Catalogue
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Gives alongwith the literature, specifications of electric equipment used in oil exploration & exploitation manufactured by BHEL; mention of an agreement with UP's oil well is also included.

0002

Title	A look into ourselves for Human Resource Development
Author	
Publisher	BHEL
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives short summary of the survey, the management culture & communication system, involvement, attributes, action plan, interaction, questionnaires, response, employee potential, motivation, promotion, strength, threadbare discussions, follow-up etc.

0003

Title	Annual Report on Commercial Activities 1984-85
Author	
Publisher	BHEL
Place	Madras
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1985
Notes	
Annotation	Gives performance highlights and statistics, targets, achievements, market share, orders received sector-wise, voltage-class-wise, major achievements, market intelligence including customer profile & performance, tenders floated, orders lost, private stock.

0004

Title	BHEL - The Day Power emerged from Rocky Rubble
Author	
Publisher	BHEL
Place	Hyderabad
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives an overview of Hyderabad unit's growth, product specialisations and range.

0005

Title	BHEL-1980-A Perspective
Author	
Publisher	BHEL
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1980
Notes	
Annotation	BHEL perspectives in thermal systems, hydro-electric systems, nuclear systems, transmission, transportation, R&D product profile, location given.

0006

Title	BHEL Fills the Vacuum in Indian Industry with Vacuum Contactor Type A591-B450A
Author	
Publisher	BHEL
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives the design highlights, application parameters, rating and performance data and advantages of BHEL's vacuum contactor type A591-B450A manufactured at Bhopal.

0007

Title	BHEL News Letter
Author	
Publisher	BHEL
Place	Bhopal
Type	Newsletter
Class	Open
Price	Not Priced
Frequency	Weekly
Year	1986
Notes	
Annotation	Reports BHEL activities and events

0008

Title	BHEL Objectives
Author	
Publisher	BHEL
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives BHEL's objectives, activities and achievements.

0009

Title	BHEL Power Group
Author	
Publisher	BHEL
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Describes the organisation, a case of synergy with reasons, total capability & its clients, its quality assurance, its R&D with a multi-disciplanary approach, its product range profile.

0010

Title	BHEL Today
Author	
Publisher	BHEL
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Highlights BHEL's achievements in different industrial sectors.

0011

Title	BHEL Turbines for Industry
Author	
Publisher	BHEL
Place	Hyderabad
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives an overview of BHEL in industry; refers to certain standards followed; gives important specifications and product listings.

0012

Title	Centrifugally Cast Bimetal Grinding Rolls
Author	
Publisher	BHEL
Place	Hyderabad
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives the composition of Comballoy-N, the brochure describes the manufacture, subsequent quality control, well-planned trials, etc. of centrifugally cast bimetal grinding rolls for bowl mills.

0013

Title	Electric Traction Equipment
Author	
Publisher	BHEL
Place	Bhopal
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Gives equipment designed, manufactured and supplied by BHEL for different traction applications alongwith their ratings. These include 2600 HP & 700 HP class Broad Gauge, 1400 HP class Broad Metre Gauge, 4200 HP DC, Locos, 25 KVAC WAM - 4 & EMU.

0014

Title	Electric for Oil Drilling Rigs
Author	
Publisher	BHEL
Place	Bhopal
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives an example of technology changing area of application from traction motors modified to suit the needs of drilling motors for oil rigs.

0015

Title	Energising Innovations
Author	
Publisher	BHEL
Place	Hyderabad
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Describes the benefits accrued to the company and the power industry through BHEL's stress on R&D at Hyderabad, achieving import substitution, transfer of technology etc.

0016

Title	Engineering and R&D Review 1983-84
Author	
Publisher	BHEL
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1985
Notes	
Annotation	Gives the chairman's message, highlights of manpower, R&D expenses and process, product committees, Queen's visit, group reports, commercialisation of R&D efforts etc.

0017

Title	Feedback - Technical Bulletin of Equipment Performance & Experience
Author	
Publisher	BHEL
Place	New Delhi
Type	Journal
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1976
Notes	
Annotation	Gives abstracts of articles of interest, the chloride menace, BHEL motor-repair shop, monitoring in power stations, some findings and recommendations.

0018

Title	Flue Gas Analyser
Author	
Publisher	BHEL
Place	Hyderabad
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives how flue-gas automatic analysis and monitoring equipment workswith flow-diagrams; gives its applications, advantages and models.

0019

Title	Furnace Safeguard Supervisory System
Author	
Publisher	BHEL
Place	Tiruchirapalli
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives an account of the FSSS offered with all steam generators, it's necessity, design and arrangement, the logic system, hardware, secondary air-dampers, mill panels, field equipments, customer-supplied interfaces, flome-scanner intelligence, etc.

0020

Title	High Speed, High Output Industrial Steam Turbines for Diverse Inlet Stean Conditions
Author	
Publisher	BHEL
Place	Hyderabad
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives a brief account of the continuing trend in chemical / petro- chemical/fertiliser industries to install large-capacity prime-movers & compressors. Describes with the aid of diagrams the sectional arrangement, characteristic design features, etc.

0021

Title	Insulation Products
Author	
Publisher	BHEL
Place	Bhopal
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Highlights major insulation products catering to special and small requirements, describing built-up mica and paper products, mica folium, mica tapes, insulating varnish, insulating putty and their quality.

0022

Title	Introducing New Public Transport Trolley Bus
Author	
Publisher	BHEL
Place	Bhopal
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives general description, advantages over other modes of transport and change over from tramway to trolley bus operation (a case study).

0023

Title	Natural Gas Compression
Author	
Publisher	HEAVY POWER EQUIPMENT PLANT, BHEL
Place	Hyderabad
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives the range of compressors manufactured by BHEL.

0024

Title	Online Silica, Copper and Chloride Analysers
Author	
Publisher	BHEL
Place	Hyderabad
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives a brief history of the evolution of silica, copper and chloride analysers, special features, installation and applications, principle of working and technical specifications.

0025

Title	Power Sector Growth and BHEL
Author	
Publisher	BHEL
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	Contains a short bibliography.
Annotation	Highlights contributions of BHEL in power sector.

0026

Title	Quality Studies: Quality Control of Drawings & Drawing Revisions
Author	Singh Davinder and Sridharan V
Publisher	PROJECTS ENGG. DIVISION, BHEL
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1981
Notes	
Annotation	Ninetynine drawings prepared for projects at Tanzania, Saudi-Arabia, Parli & Goa were selected during 1978-79 studied and their conformance to corporate standards noted, random samples further studied for conformance to folding standards.

0027

Title	R&D News, Vol.7, NO.8
Author	
Publisher	BHEL
Place	Hyderabad
Type	Journal
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1988
Notes	
Annotation	

0028

Title	Real Time Computer Control of Power Systems
Author	Murthy PG, Singhal RK
Publisher	BHEL
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	The power system development group of T P D has been actively engaged in developing application programmes for real time operations of power systems, important aspects of state estimation, security monitoring and analysis.

0029

Title	Research and Development - Multi Disciplinary Approach
Author	
Publisher	BHEL
Place	Hyderabad
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives BHEL's objectives, research, development, significant events, profile, expenditure, revenue, testing facilities, major achievements, external interaction, awards, products, commercialisation, technology transfer, welfare amenities etc.

0030

Title	Solar Thermal Pump
Author	
Publisher	BHEL
Place	Hyderabad
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	A freon engine technology for water pumping using solar energy has been developed. This submersible pumping system is designed for use for drinking water, irrigation and livestock watering.

0031

Title	Solar Water Heating Systems
Author	
Publisher	BHEL
Place	Hyderabad
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives an account of various types of flat plate collectors developed at BHEL, proven track record, computerised system design, special design features, specifications and applications.

0032

Title	Solid Sintered Tungsten Carbide Thermowell
Author	
Publisher	
Place	Hyderabad
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives brief overview about R&D on thermowells, history of BHEL's involvment, satisfactory performance of sintered tungsten carbide including thermal response, sectional diagrams, specifications and options.

0033

Title	Spaces: 1984-85 Performance & Prospects
Author	
Publisher	BHEL (CORPORATE OFFICE)
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives production capacity, calender of events, contact points, objectives, organisation projections, orders in hand, spare catalogues, emergency stock, insurance pool, overdue orders, imported spares, central stock, delegation visits, etc.

0034

Title	Steam Turbines and Centrifugal Compressors Test Facilities
Author	
Publisher	BHEL
Place	Hyderabad
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Highlights BHEL-Hyderabad's industrial turbines and compressors, collaborations, adherence to standards and describes testing of turbines, the shop-instrumentation, vacuum tests etc.

0035

Title	Suggestors Directory - January 1982 to February 1984
Author	
Publisher	BHEL
Place	Bhopal
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Directory contains the names of the employees whose contributions are significant to the success of BHEL

0036

Title	Tea from the Sun
Author	
Publisher	BHEL
Place	Hyderabad
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives pictures, diagrams, graphs for solar tea kettle, its technical details and advantages.

0037

Title	Technic Seva, Quarterly Bulletin of the TPG/Services, BHEL
Author	
Publisher	SENIOR MANAGER, TPC SERVICES, NEW DELHI
Place	New Delhi
Type	Journal
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	1983
Notes	
Annotation	Gives an overview of specific problems faced by BHEL in the servicing of power equipment during that quarter.

0038

Title	Technology Development Laboratory
Author	
Publisher	COMMERCIALISATION CENTRE, BHEL
Place	
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives R&D policies of BHEL, its strengths etc. and objectives of TDI, Hyderabad, the details of CAM section, hot machining & high precision lathe, electro discharge machine, co-ordinates measuring machine etc.

0039

Title	Technology Development Projects Completion Report-1985-86
Author	
Publisher	BHEL
Place	Bhopal
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Gives the project title, number, introduction, study action plan, financial aspect etc. for each of the 21 projects completed during the period, alongwith an executive summary.

0040

Title	The Ever Changing Profile of BHEL, Hyderabad
Author	
Publisher	BHEL
Place	Hyderabad
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives briefly the equipments manufactured by Hyderabad unit, their applications in the Indian power sector, their international acclaim, oil-drilling, mechanical & electrical power system equipment & auxiliaries

0041

Title	Thermal Performance Review of BHEL Manufactured sets under operational various power stations in India 1983-84
Author	
Publisher	BHEL
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1985
Notes	
Annotation	Projects performance of BHEL sets on the basis of rating groups. The region-wise and board-wise performance factors are indicated by graphs.

0042

Title	Thyristorised A-C Crane Controls
Author	
Publisher	BHEL
Place	Bhopal
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Describes with the help of diagrams the salient features, principle of operation, control mechanism and applications of thyristorised A.C cranes, Gives some of its advantages and equipment details.

0043

Title	Udyog 1988 - VI
Author	
Publisher	BHEL (INDUSTRY SECTOR)
Place	New Delhi
Type	Newsletter
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1988
Notes	
Annotation	

0044

Title	Ultra High Voltage Laboratory
Author	
Publisher	TRANSFORMER SALES DIVISION, BHEL
Place	Bhopal
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives an account of the manufacture of equipment alongwith a general description of the ultra high voltage laboratory at Bhopal, its activities, testing equipment & measuring devices.

0045

Title	Union Catalogue of periodicals in BHEL Unit Libraries, 1985
Author	
Publisher	BHEL, TECHNICAL INFORMATION CENTRE, CORPORATE R&D
Place	Hyderabad
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Holdings from 14 BHEL unit libraries of about 1200 titles on floppy discs along with a classified index.

0046

Title	Vertical Waterwheel Generators
Author	
Publisher	BHEL
Place	Bhopal
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives a brief overview of BHEL's activities since inception in the 50s. Describes frame, core windings, temp.detection, insulation systems for stator, shaft & tarust block, field & damper windings for rotor, mechanical parts like bearings etc.

0047

Title	What it all Boils down to High Pressure Boilers from BHEL, Tiruchirapalli
Author	
Publisher	BHEL
Place	Tiruchirapalli
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives brief description of all kinds of coal oil & gas fired boilers as well as controlled circulation, bottom supported drum-type and also waste-heat boilers.

CBIP

Central Board of Irrigation & Power

V.2

Records: 0048 — 0168

0048

Title	40 Years of Irrigation & Power Journal, 1947-1987-Cumulative Index
Author	
Publisher	CBIP
Place	
Type	Cumulative Index
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Not priced (for issue on discretion).
Annotation	Lists out about 1300 technical papers spread over 180 issues of the Irrigation & Power Journal founded in 1943 and issued quarterly by CBIP, along with an Author Index.

0049

Title	60 Years CBI&P 1927-87; The Sixth Decade 1977-87
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Out of print Pub. No. 190.
Annotation	Issued on occasion of CBIP Diamond Jubilee, tracing historical development, list of seminars held, publications issued, research schemes sponsored & international activities. A supplement to history of board published in 1977-Silver Jubilee occasion.

0050

Title	6th International Conference on Expansive Soils: Lectures, Additional Papers, General Reports
Author	
Publisher	CBIP
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Rs.500
Frequency	Occasional
Year	1987
Notes	Supplementry to Vol-1 (price included in Vol-1) (sales: Oxford & IBH publishing Co.Pvt.Ltd.).
Annotation	Present 3 lectures, 4 additional papers & general reports for the 4 technical sessions. Lectures are on stress state for expansive soils, engineering, practice in expansive soils & cohesion approach to mechanics of saturated expansive soil media.

0051

Title	Analysis & Report of the field testing on 400 KV Koradi Bhusawal Circuit-1
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1988
Notes	A publication under CBIP Research Scheme on Power.Tech.Rep.No.61.
Annotation	Presents preparation made, procedure adopted, tests carried out & results obtained during field testing programme on 347 KM, 400 KV line in association with CPRI&M/SCESI, Italy who supplied mobile testing `van equipped with necessary testing & recording equipments for full scale field testing.

0052

Title	Annual Review 1987 (Summaries) Research Scheme Applied to River Valley Projects
Author	
Publisher	CBIP
Place	New Delhi
Type	Annual Report
Class	Open
Price	Rs.25
Frequency	Annual
Year	1987
Notes	
Annotation	Reports work done in 1986 at various Institutes on Hydraulic structures, River Hydraulics & sediment transport, hydraulic machinery, ground water, coastal erosion & tidal Hydraulics, Hydrology, irrigation, environmental effects, socio-econmic aspects, space-technology Instrumentation etc.

0053

Title	Annual Review-1985 (Summaries) Research Scheme Applied to River Valley Projects
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Annual
Year	1985
Notes	
Annotation	Reports summaries of work done during 1985 on research projects under CBIP Research Scheme applied to River Valley Projects, on hydraulic structures, sediment transport, ground water, coastal erosion, hydrology, irrigation, environmental effects, construction material, instrumentation etc.

0054

Title	Annual Review-1986 (Summaries) Research Scheme Applied to River Valley Projects
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Annual
Year	1986
Notes	
Annotation	Reports summaries of work done during 1986 on Research Projects, under Research Scheme applied to River Valley Projects, at various institutions, on hydraulic structures, sediment transport, ground water, coastal erosion, hydrology, irrigation, environmental effects, soil&rock mechanics, concrete etc.

0055

Title	Annual Review-1987 (Summaries) Research Scheme on Flood Control
Author	
Publisher	CBIP
Place	New Delhi
Type	Annual Report
Class	Open
Price	Rs.25
Frequency	Annual
Year	1987
Notes	
Annotation	Reports work done in brief on 16 projects taken up under CBIP Research Scheme on flood control during 1987 in Bihar, Gujarat, Madhya Pradesh, Punjab, Tamilnadu, U.P., West Bengal & CWPRS.

0056

Title	Balco Captive Power Plant, Korba
Author	Walsh Atkins AG
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1987
Notes	A publication under CBIP Research Scheme on Power.Tech.Rep.No.59.
Annotation	Report indicates in detail the way GEC, UK went about this project from pre-contract requirements to actual execution at site. Project programme, pert charts, staff posting with defined duties, interface management, planning reports, despatch list etc. explained.

0057

Title	Bibliography on Expansive Soil (Indian Contributions)
Author	
Publisher	CBIP
Place	New Delhi
Type	Bibliography
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	A publication under CBIP Research Scheme applied to River Valley Projects.
Annotation	Presents 376 entries under various groups on the subject; Authors index also given.

0058

Title	Board's Publications
Author	
Publisher	CBIP
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Gives names of various publications issued by the CBIP, ICOLD & ICID (international organisations), arranged under 15 chapters.

0059

Title	CBIP Diamond Jubilee 1927-87 Commemorative Volume
Author	
Publisher	CBIP
Place	New Delhi
Type	Book
Class	Open
Price	Rs.200
Frequency	One Time
Year	1987
Notes	
Annotation	Contains 18 papers on different facets of water resources & power engineering, including irrigation, thermal power development, environment, geothermal energy, tidal power, national power grid, inter-basin water transfer, and computer application for irrigation systems in Sri Lanka.

0060

Title	Central Board of Irrigation and Power - Objectives, Activities and Achievements
Author	
Publisher	CBIP
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	Gives 3 Annexures on Research Schemes on River Valley Projects & Power, Research findings & Publns.
Annotation	Provides an overview of the activities of CBI&P 1.Sessions-Board, Power and Research 2.Research Schemes and Research findings 3.Board's Publns. 4.Library & Information Bureau's Award Scheme 6.International Activities 7. Training 8. Future.

0061

Title	Classification of Tropical Soils (Literature Review No.35)
Author	
Publisher	CBIP
Place	New Delhi
Type	Literature Review
Class	Open
Price	Rs.30
Frequency	One Time
Year	1986
Notes	Published under Research Scheme applied to River Valley Projects.
Annotation	A literature review covering morphology, physical & chemical characteristics and identification based on Horphology, for engineering purposes & on engineering properties.

0062

Title	Commemorative Volume - Dr. K L Rao
Author	
Publisher	CBIP
Place	New Delhi
Type	Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Articles relate to Indian science & developments in India Pub. No. 195.
Annotation	Contains an article and address on K L Rao and 11 articles on power systems, gravity, dam construction, barrages & canals.National perspective for water resources development, International financing hydropower development. Trends in dam design thermal power sector and Ramapadasagar Dam Project.

0063

Title	Design and Construction Features of Selected Hydro Electric Power Plants in India
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.50
Frequency	Occasional
Year	1987
Notes	First in a series proposed on the subject Pub. No. 196.
Annotation	Gives detailed description and various technical information of Rana Pratap Sagar, Koyna, Bair Siul, Western Yamuna Canal & Nagarjuna Sagar hydroelectric projects. Design & construction features & Trends in dam design included.

0064

Title	Design of Hydraulic Structures founded on Permeable Soils from three Dimensional Seepage flow consideration (Status Report No.11)
Author	
Publisher	CBIP
Place	New Delhi
Type	Status Report
Class	Open
Price	Rs.25
Frequency	One Time
Year	1986
Notes	Published under Research Scheme applied to River Valley Projects.
Annotation	Reports studies taken up concerning syphon aqueducts, canal head regulators and barrages, which resulted in evolving relationship of 3-dimensional flow values of exit gradient uplift pressures, relative to 2-dimensional values of exit gradient & uplift pressures for key locations.

0065

Title	Design of Spurs (Groynes)
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1987
Notes	A publication under CBIP Research Scheme applied to River Valley Projects Tech. Rep. No. 39.
Annotation	Gives details of experiments conducted to study, important design parameters-length spacing & scour pattern. Performance of single spurs & battery of spurs on rigid & mobile red under straight reach was studied & design curves for determining length & spacing of spurs presented.

0066

Title	Development and Field Performance study of Slot Discharge Detector
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1985
Notes	A publication under Research Scheme on Power Tech. Rep. No. 46.
Annotation	Presents slot discharge phenomenon & characteristics, slot discharge detector & laboratory testing & field testing of slot discharge detector. Discusses slot discharge detector developed & results of field studies carried out at various generating stations.

0067

Title	Directory of Consultancy Firms in the field of Irrigation & Power
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1986
Notes	
Annotation	Gives details of 15 consultancy firms in India in the fields of Irrigation & Power, based on information gathered from various sources-both public & private sectors.

0068

Title	Directory of Consultants in the field of Irrigation and Power (Publication No.200)
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Contains particulars of experience of engineers who retired at the level of Chief Engineer and above.

0069

Title	Directory of Research Stations (Civil)
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Publication out of Print.
Annotation	Contains information on research establishments including year of opening, financing scope of activity and special testing equipment/facility available.

0070

Title	Directory of Tunnels in India
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Rs.100
Frequency	One Time
Year	1988
Notes	Published under Research Scheme applied to River Valley Projects.
Annotation	Presents details of 79 projects with tunnels of water resource & hydro-electric Projects for material transport, water supply, sewage disposal etc. in 19 States in India.

0071

Title	Earthing System Parameters for HV EHV & UHV Sub Stations
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1985
Notes	A publication under research Scheme on Power.Tech. Rep. No. 49.
Annotation	Deals with various factors like resistivity of surface layer of soil, duration & magnitude of fault current, maximum tolerant safe current for human body & permissible earth potential rise;guidelines for design of earthing systems given.

0072

Title	Effect of Under Frequency Operation on Generating Units as well as on the performance of Consumer's Equipment
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1986
Notes	A publication under Research Scheme on Power. Tech. Rep. No. 52.
Annotation	Presents experimental study on generating units & electrical equipment to find effect of supply frequency variation on their performance. Tests performed on alternator, induction motor, synchronous motor, lighting equipement & rectifiers at reduced supply voltage along with reduced supply frequency.

0073

Title	Energy Conservation
Author	
Publisher	CBIP
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Rs. 100
Frequency	One Time
Year	1988
Notes	Proceedings of the Meeting on Energy Conservation - February 1988.
Annotation	Contains 26 papers for discussion dealing with Electricity, Conservation in Industry, Agriculture, Utilities, Role of Electronics and Instrumentation, Efficiency of Pump sets etc.

0074

Title	Evaluation of Stresses and Deformations around underground openings (Status Report No.10)
Author	
Publisher	CBIP
Place	New Delhi
Type	Status Report
Class	Open
Price	Rs.50
Frequency	One Time
Year	1986
Notes	Published under Research Scheme applied to River Valley Projects.
Annotation	Report covers methods of analysis, closed form solutions, finite element method and modelling & model materials to simulate rock.

0075

Title	Evaluation of condition of Joints and Clamps (Development of Infra-red Thermometer)
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1987
Notes	A publication under Research Scheme on power Tech. Rep. No. 55.
Annotation	To evaluate conditions of joints & clamps in transmission & distribution systems, to take preventive steps. Imported infra-red thermometers are used. The study reports a thermometer developed by the research station.

0076

Title	Failure Analysis of Distribution Transformers
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1988
Notes	A publication under CBIP Research Scheme on Power.Tech.Rep.No.63.
Annotation	The CPRI's study covers an overview of rate of failure, failure data from HBEB, FSEB, PSEB & PB. Probable causes for failures, classification of failures & CPRI's experience in short circuit testing of distribution transformers, along with recommendations.

0077

Title	Failure of Condenser Tubes in large Thermal Power Stations
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1986
Notes	A Publication under Research Scheme on Power Tech. Rep. No.51.
Annotation	Relates to study on failure of condenser tubes related to Ennore Thermal Power Station of 450 mw installed capacity and using sea water as coolant. Studies reveal sea waters highly polluted. Study also refers to behaviour of tube material in reference to sea water as coolant.

0078

Title	Failure of Energy Meters and Remedial Measures thereof
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1988
Notes	A publication under CBIP Research Scheme on Power.Tech.Rep.No.60.
Annotation	Gives brief account of various defects observed in new & failed meters. Cause-wise analysis as also remedial measures presented chapters include energy meter theory, meter defects, metering deficiencies, tamper, proof methods, design consideration suggestions for modifications for specification & recalibration.

0079

Title	Fifty Fourth Annual Research and Development Session Proceedings: Vol.I to VII and Theme Paper on Water Quality of Rivers & Reservoirs in India (Pub.)
Author	
Publisher	CBIP
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	CBIP annual R&D session papers & proceedings -8 Vols (Civil & Power)Theme paper for special session.
Annotation	145 papers; Vol.I-Management of Floods, River & Estuarine Hydraulics, Hydraulic structures, Soil & Rock mechanics, II-Ground water, irrigation, drainage, hydrology etc, III-Common, IV-Power system planning, operation & control, generation, V-Transmission & distribution, VI&VII Communication papers.

0080

Title	Fifty Second Annual Research and Development Session Proceedings: Publication No. 177 (Power) (5 Vols.)
Author	
Publisher	CBIP
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Rs.125
Frequency	Annual
Year	1985
Notes	CBIP annual R&D session papers & proceedings issued in V vols. (power).
Annotation	Contains 55 papers in 5 Vols. Vol.I.Generation & Transmission, II-Substations and distribution, III-Protection, system operation & control in general, IV-Supplementary papers and V-General Reports & discussions relating to power. Published under Research Scheme on Power.

0081

Title	Fifty Second Annual Research and Development Session Proceedings: Publication No.176 (civil) (6 Volumes.)
Author	
Publisher	CBIP
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Rs.100
Frequency	Annual
Year	1985
Notes	CBIP Annual R & D session papers & proceedings issued in VI vols. (Civil).
Annotation	Contains 70 papers in 6 Vols. I. Hydraulics, II-Concrete Irrigation practices & Hydrology; III-Rock Mechanics; IV-Flood control, River behaviour & ground water; V-Common papers for Civil & Electrical and VI-Post session proceedings general reports & discussions.

0082

Title	Fifty Third Annual Research and Development Proceedings (Civil) Supplementary Volume Publication No.184.
Author	
Publisher	CBIP
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Rs.25
Frequency	Annual
Year	1986
Notes	CBIP annual R&D session papers & proceedings supplementary volume.
Annotation	Contains seven papers included for discussion at 53rd CBIP R&D session.

0083

Title	Fifty Third Annual Research and Development Session Proceedings Publication No.184 Vols.V to VIII-Power
Author	
Publisher	CBIP
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Rs.140
Frequency	Annual
Year	1986
Notes	CBIP Annual R&D session papers & proceedings vols V to VIII Power.
Annotation	Contains 68 papers & proceedings in 4 Vols. Vol.V-HVDC, EHV & UHV AC transmission; VI-Power system planning, operation & control, distribution & sub-stations; VII-Generation, protection & general & VIII-post-session proceedings i.e. general reports and discussions.

0084

Title	Fifty Third Annual Research and Development Session Proceedings Publication No.184-Civil-(Pre-Session Proceedings in IV Volumes)
Author	
Publisher	CBIP
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Rs.160
Frequency	Annual
Year	1986
Notes	CBIP Annual R&D Session Papers Civil, in vols I to IV.
Annotation	Contains 96 papers in IV Vols. Vol.I-Hydraulic structures & Hydrology, II-Ground Water, management of floods, River Hydraulics and sediment transport, environmental effects; III-Soil & rock mechanics, masonry & concrete, instrumentation, irrigation & drainage, IV-Common session on power.

0085

Title	Glossary of terms relating to Transmission Line Towers
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1985
Notes	A publication under Research Scheme on Power. Tech Rep. No. 47.
Annotation	A glossary of terms in steel structural design, practice of transmission line towers.Chapters deal with tower footing, super structure, fabrication, erection & testing & common terms used in transmission line tower design.Illustrated in detail.

0086

Title	Guide for testing of Transformers by Sampling and Analysis of Free and Dissolved Gases
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1988
Notes	A publication under CBIP Research Scheme on Power. Tech.Rep.No.62.
Annotation	Describes how the concentrations of free & dissolved gases may be interpreted to diagnose internal condition of transformer in service & also on sampling of oil/gas, extraction of dissolved gases & analysis. Recommends dissolved gas analysis as mandatory for transformers with 110 KV voltage rating.

0087

Title	Guidelines for Collection of Data to study Environmental Impact of Water Resource Projects (Miscellaneous Report No.9)
Author	
Publisher	CBIP
Place	New Delhi
Type	Guide
Class	Open
Price	Rs.10
Frequency	One Time
Year	1986
Notes	Publication under Research Scheme applied to River Valley Projects.
Annotation	Gives guidelines for collection of data to study environmental impact of water resource projects, covering aspects of existing environment, environmental impacts and health.

0088

Title	Guidelines for Measurement, Testing and Analysis of Seepage from Masonery and Concrete Dams (Miscellaneous Report No.10)
Author	
Publisher	CBIP
Place	New Delhi
Type	Guide
Class	Open
Price	Rs.10
Frequency	One Time
Year	1986
Notes	Published under research scheme applied to River Valley Projects.
Annotation	Contains guidelines covering seepage measurement, collection of samples, laboratory arrangements, basic data needed, computation of leached cement, laboratory equipment for studies and field equipment for studies.

0089

Title	History of Cauvery Mettur Project - Revised Edition
Author	Barber CG
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.175
Frequency	Occasional
Year	1987
Notes	A detailed account of the then largest dam in South India.
Annotation	This is a revised edition of work brought out by Madras Government in 1940. The planning, design and construction details are recorded chronologically for future guidance. A fresh chapter has been added on the performance of the project after construction.

0090

Title	History of Chambal Project; Vol-II
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.160
Frequency	Occasional
Year	1987
Notes	Detailed account of planning & implementation of Chambal project in Madhya Pradesh & Rajasthan.
Annotation	Gives an account of the events from the planning upto the completion of Chambal project including Gandhi Sagar, Rana Pratap Sagar, Jawahar Nagar, Power Houses, Kota barrage and the canal system.

0091

Title	History of Chambal Project; Vol.I
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.160
Frequency	Occasional
Year	1987
Notes	A detailed account of planning & implementation of Chambal project in Madhya Pradesh & Rajasthan.
Annotation	Gives an account of the events from the planning upto the completion of Chambal project including Gandhi Sagar, Rana Pratap Sagar, Jawahar Nagar, power houses, Kota barrage and the canal system.

0092

Title	Hydro-Electric Power Stations in India Vol.I
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Rs.125
Frequency	Occasional
Year	1985
Notes	Compilation made on the basis of information furnished by project authorities to CBIP Pub .No. 180.
Annotation	Compilation of salient technical features of hydro electric schemes in operation and under construction and particulars of main plant of individual power stations. Covers Andhra Pradesh, Orissa, Punjab, Tamilnadu, Tripura, Uttar Pradesh, BMBB, NHPC and Tata Supply Company plants and projects.

0093

Title	Hydro-Electric Power Stations in India; Vol.II
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Rs.150
Frequency	Occasional
Year	1987
Notes	Compilation made on the basis of information furnished by project authorities to CBIP Pub.No. 180.
Annotation	Compilation of salient technical features of hydro electric schemes in operation and under construction, and particulars of main plant of individual power stations. Covers Bihar, Gujarat, Himachal Pradesh, Jammu & Kashmir, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Rajasthan, West Bengal and D V C plants and projects.

0094

Title	Hydrogeology of India
Author	Pathak BD
Publisher	CBIP
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.75
Frequency	One Time
Year	1988
Notes	Published under Research Scheme applied to River Valley Projects.
Annotation	Contains 18 chapters including history of groundwater development, Hydrogeological frame work, groundwater prospection, aquifer test, Groundwater Quality, water logging, artificial recharge, conjunctive use of surface & ground water, legal aspects, case studies of Water balance Investigations etc.

0095

Title	Hydrological Observations with Illustrations (Publication No.194)
Author	
Publisher	CBIP
Place	New Delhi
Type	Guide
Class	Open
Price	Rs.50
Frequency	Occasional
Year	1987
Notes	Instructions profusely illustrated; Pub.No. 194.
Annotation	A simple illustrative & self explanatory guide for field staff engaged in observing & recording hydrological observations on rivers, explains the precautions to be taken also. Based on a Japanese publication.

0096

Title	Indo-Soviet Workshop on Evaluation & Modelling of Impacts on Environment of Water Resources Projects (Vols.I to III)
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.100
Frequency	One Time
Year	1985
Notes	Workshop sponsored by Central Water Commission & co-sponsored by CBIP.
Annotation	Contains 19 contributions by Indian experts & 5 by USSR experts on various environmental issues in water resources development projects, their planning, environmental assessment, monitoring of environmental impact etc, with some case studies in Vol I, Vol II & III; gives post-session proceedings.

0097

Title	Indo-Soviet Workshop on Experiences in Large Canals & Hydraulic Structures in Subsident, Swelling and Floating Soils-Proceedings
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.100
Frequency	One Time
Year	1986
Notes	Workshop sponsored by Central Water Commision and co-sponsored by CBIP.
Annotation	Contains 4 papers by Soviet experts & 9 by Indian experts covering theoretical aspects, design considerations, laboratory & field tests, identification & construction experiences and remedial measures.

0098

Title	Interaction between Phases in Three-Phase Reactor Switching; Part 1 Ground Reactors
Author	Van Den Heuvel WMC and Papadias BC
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Classified
Price	Rs.25
Frequency	One Time
Year	1985
Notes	A publication under CBIP Research Scheme on Power (for private circulation only).
Annotation	The first part of the paper gives summary of interruption phenomena and a general treatment of single-phase and three-phase star-connected inductances with solid or low-impedance inductive grounding of the neutral capcitive&inductive couplings studied&attention paid to possible maxima:recovery VLTG.

0099

Title	Interconnection of Grounding Mats of different Materials
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1985
Notes	A publication under Research Scheme on Power. Tech Rep. No. 43.
Annotation	Presents results of laboratory study on corrosion problem in grounding mats of different materials. Indicates that first conductor fixes up maximum current which will go on diminishing when the central conductors are approached & so first conductors should be higher than normal size.

0100

Title	International Symposium High Technology in Power Engineering (Publication No.189)
Author	
Publisher	CBIP
Place	New Delhi
Type	Symposium Proceedings
Open	Open
Price	Rs.120
Frequency	Occasional
Year	1987
Notes	Papers received for discussion at CBIP Diamond Jubilee Year symposium, mostly Indian papers.
Annotation	Contains 36 papers relating to thermal power generation, hydro power generation, transmission and power systems and power distribution in general; papers are with special reference to high technology trends.

0101

Title	International Symposium High Technology in Water Resources and Power Engineering
Author	
Publisher	CBIP
Place	New Delhi
Type	Symposium Proceedings
Open	Open
Price	Rs.30
Frequency	Occasional
Year	1987
Notes	Papers received for discussion at CBIP Diamond Jublee Year symposium, papers mostly Indian.
Annotation	Contains six papers relating to saving of water by drycooling, energy conservation by water management & recycling. Shaft type power house, Sharavathi penstock rectification, distributed control & data acquisition applied to gate control. Computerised energy computation & optimisation studies-tidal power.

0102

Title	International Symposium on EHV/UHV AC HVDC Transmission Systems
Author	
Publisher	CBIP
Place	New Delhi
Type	Symposium Proceedings
Open	Open
Price	Rs.125
Frequency	Occasional
Year	1987
Notes	
Annotation	Presents 38 papers discussed under 5 sections viz.EHV/UHV AC system, HVDC system, static VAR compensation monitoring & protection, general problems encountered in use of HV particularly for stability of systems under various operating conditions, integrated system operation, compensatory equipment dealt.

0103

Title	International Symposium on New Technology in Model Testing in Hydraulic Research, Proceedings Vol.1
Author	
Publisher	CBIP
Place	New Delhi
Type	Symposium Proceedings
Class	Open
Price	Rs.300
Frequency	Occasional
Year	1987
Notes	Symposium co-sponsored by International Association for Hydraulic Research.
Annotation	Presents 27 papers on physical modelling of density gradient flows, turbulent effects in design of stilling basins and physical & mathematical modelling of pollutant transport in waterways.

0104

Title	Internationl Symposium - New Materials and Techniques in Dam Construction
Author	
Publisher	CBIP
Place	New Delhi
Type	Symposium Proceedings
Class	Open
Price	Rs.250
Frequency	Occasional
Year	1987
Notes	A symposium sponsored by International Commission on Large Dams.
Annotation	Contains 24 papers covering new techniques in design & construction for dams, new materials in dam construction & rehabilitation of dams, with emphasis on practical applications of new materials & new trends in engineering practices & use of conventional&non-conventioal materials in dam construction.

0105

Title	Investigation on Boiler Tube failures in Thermal Power Stations (Project Report)
Author	
Publisher	CBIP
Place	New Delhi
Type	Project Report
Class	Open
Price	Rs.100
Frequency	One Time
Year	1988
Notes	Published under Research Scheme on Power.
Annotation	Reports investigations on typical Boiler failures, causes, prevention, need for scientific & metallurgical aspect study stressed. Ennore, Badarpur, Chandrapura Korba, Obra, Ukai and Vijayawada stations studied.

0106

Title	Investigation on Water Chemistry, Material compatibility and related problems in Steam-Water Cycles of Thermal Power Stations (Project Report)
Author	
Publisher	CBIP
Place	
Type	Project Report
Class	Open
Price	Rs.100
Frequency	One Time
Year	1988
Notes	Published under Research Scheme on Power.
Annotation	Reports investigations on different aspects of chemical control and material compatibility problems in the steam, water cycles of thermal stations, to prevent boiler tube & condenser tube failures and water-formed deposits, Ennore, Badarpur, Chandrapura, Korba, Obra, Ukai & Vijayawada stations studied.

0107

Title	Irrigation Atlas of India; Volume I
Author	
Publisher	CBIP
Place	New Delhi
Type	Atlas
Class	Open
Price	Rs.100
Frequency	One Time
Year	1987
Notes	Published by National Atlas & Thematic Mapping Organisation for CBIP.
Annotation	Contains 4 pages write up on irrigation developoment & important irrigation projects in the country & 14 plates in 1: Million scale & in One Inch: Two Million scale. This is an up-dated version of the Atlas issued with Irrigation Commission Report, 1972.

0108

Title	Irrigation Map of India 1987 (CBIP Map No.15)
Author	
Publisher	CBIP
Place	
Type	General Information
Class	Open
Price	Rs.200
Frequency	One Time
Year	1987
Notes	
Annotation	A map in scale of one to five million, showing location of important irrigation projects, commands, state-wise diagrams of areas sown & irrigated and Isohyetal map as inset.

0109

Title	Labyrinth Weirs (Status Report No.9)
Author	
Publisher	CBIP
Place	New Delhi
Type	Status Report
Class	Open
Price	Rs.25
Frequency	One Time
Year	1986
Notes	Published under Research Scheme applied to River Valley Projects.
Annotation	Includes information on mode of operation, parameters affecting performance, design of labyrinth weirs, recommendations for choice of design parameters and design procedure.

0110

Title	Large Dams in India Vol.I
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Pictures and sections of dams also given.
Annotation	Presents technical data of 119 completed dams of over 30 metres height located in Andhra Pradesh, Bihar, Gujarat, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Rajasthan, Tamilnadu, Uttar Pradesh & West Bengal.

0111

Title	Major Canals in India Vol-I
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Rs.50
Frequency	Occasional
Year	1986
Notes	Only Vol.I issued so far Pub.No 187.
Annotation	Contains data of some major canals in Andhra Pradesh, Assam, Bihar, Goa, Daman & Diu, Gujarat, Haryana, Himachal Pradesh & Manipur index maps, canals cross sections & illustrations given along with statistical details.

0112

Title	Management of Water Resources - A System Approach
Author	
Publisher	CBIP
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Rs.50
Frequency	One Time
Year	1985
Notes	Supplementary reading material of seminar organised by CWC & co-sponsored by CBIP.
Annotation	Contains 15 papers of supplementary reading material of seminar on application of systems analysis techniques for development of water resources. Topics includes simulation, optimization, modelling and development of reservoir operation rules.

0113

Title	Manual on Barrages and Weirs on Permeable Foundation (Vol.I&II) (Publication No.179)
Author	
Publisher	CBIP
Place	New Delhi
Type	Manual
Class	Open
Price	Rs.100
Frequency	One Time
Year	1985
Notes	Relevant drawings of some important projects included.
Annotation	Covers definitions, investigations required, location & alignment, planning & layout, hydraulic & structural designs, silt exclusion, river training works, fish pass, navigation facilities head regulator, model tests, instrumentation, construction, maintenance&operation, failures and specific problems

0114

Title	Manual on Rock Mechanics
Author	
Publisher	CBIP
Place	New Delhi
Type	Manual
Class	Open
Price	Rs.200
Frequency	One Time
Year	1988
Notes	Published under Research Scheme applied to River Valley Projects & prepared by CSMRS, New Delhi.
Annotation	Contains 17 chapters covering basic concepts, field & laboratory tests on rock mass & specimens, geophysical investigations, interpretation of test data & application to various problems of foundation of dams, tunnelling etc.

0115

Title	Material Management in State Electricity Boards
Author	Chalapathi Rao GV
Publisher	CBIP
Place	New Delhi
Type	Manual
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Out of print.A publication under research Scheme on power.Tech Rep.No. 44.
Annotation	Focusses attention on the distribution wing of material management, points out deficiencies with a view to arrive at model for material managment. Importance of using modern techniques & specialists for material management indicated.

0116

Title	Meet on Energy Conservation Proceedings
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.50
Frequency	One Time
Year	1988
Notes	
Annotation	Contains 26 papers concerning energy conservation in industry & agriculture sector, systems approach, conservation in various utilities & distribution systems, losses in EHV transmission, electricity meters and strategies in various spheres for reduction of transmission & distribution losses.

0117

Title	National Workshop on Distribution Systems; Vols.I & II-Proceedings
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.75
Frequency	One Time
Year	1986
Notes	Workshop jointly organised by CBIP, CEA, CPRI & REC.
Annotation	Contains 39 papers in all under conservation of energy & loss reduction, management, tariff & energy audit, urban distribution & modern techniques and rural distribution topics.

0118

Title	Power Development in India
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.100
Frequency	Occasional
Year	1987
Notes	A concise account of power development in India Pub .No. 191.
Annotation	The book reviews power development so far, programmes in five year plans, investments, organisation structure of power supply industry, technology development & self reliance & long term perspective. Key statistics of power generation & supply included.

0119

Title	Power Map of India-1983 (Roller & Book Form) (Restricted) (CBIP Map No.11)
Author	
Publisher	CBIP
Place	New Delhi
Type	General Information
Class	Classified
Price	Rs.200
Frequency	One Time
Year	1985
Notes	Restricted map.
Annotation	A map in One to Two-and-half Million scale showing major power stations & transmission lines of 110 KV and above as on March 1983.

0120

Title	Power Sub-Transmission and Distribution System-Prevailing Practices in India.
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.50
Frequency	One Time
Year	1987
Notes	A compilation made by an M.P.officer Pub. No. 198.
Annotation	Presents practices prevalent in sub transmission & distribution systems. 31 topics have been covered under 4 sections viz. sub transmission & distribution system, metering, projection system and conservation of energy.

0121

Title	Power and Irrigation Problems and Prospects
Author	
Publisher	CBIP
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.150
Frequency	Occasional
Year	1986
Notes	Addresses and Pub. No. 181 articles deal largely with various aspects of power development and rural electrification.
Annotation	Compilation of addresses and articles on topics like planning and operation of power systems, power prospects, energy crisis, rural electrification, power shortage, design of equipment, management of power systems, financing of projects, energy management, computer application for power system.

0122

Title	Prevention of HT Metering Equipment. Identification of required Measures
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1987
Notes	A publication under research scheme on Power. Tech Rep. No 57.
Annotation	Indicates specifications, measures & steps for renovation & provision of tamper proof HT metering, like location, construction & suggest the type/make of meters & CT/PT units to be used therein.Relates to problems of M.P.Electricity Boards, but of general applicability.

0123

Title	Preventive Maintenance at Khodri Power Station - An Outstanding Achievement
Author	Santokh Singh
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1987
Notes	A publication under Research Scheme on Power. Tech Rep. No. 56
Annotation	Reports case of Non-utilisation of erected electrical plant of Khodri power station, UP. Due to delay in tunnel works by 7 years and various procedures adopted for preservation of different parts & important assemblies etc.

0124

Title	Problems relating to Instrumentation & Control Systems in Thermal Stations
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	
Notes	A publication under Research Scheme on Power. Tech Rep. No. 50.
Annotation	Study of cases of maloperation of instrumentation system & deficiencies in control system, which resulted in outrageous of units at Ennore Thermal Power Station. Corrective measures adopted are indicated.

0125

Title	Proceedings 6th International Conference on Expansive Soils (Volume 1)
Author	
Publisher	CBIP
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Rs.500
Frequency	Occasional
Year	1987
Notes	Sponsored by International Society for Soil Mechanics & Foundation Engineering.
Annotation	Presents 86 papers on identification, minerology & structures of expansive soils, shear strength consolidation & earth pressure, swelling potential, swelling pressure & heave, case histories of problems & remedial measures associated with use of expansive soils, etc.

0126

Title	Proceedings: International Symposium on Tunnelling for Water Resources and Power Projects Vol.1
Author	
Publisher	CBIP
Place	New Delhi
Type	Symposium Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Symposium co-sponsored by International Tunnelling Association (sales M/s Oxford & IBH Pub.Co.).
Annotation	Presents 70 papers on engineering classification of rock mass, planning, investigation&analysis & geometric & hydraulic design of tunnels, tunnelling, stabilization & support systems, lining for power tunnels & monitoring, back analysis & case histories.

0127

Title	Research in Water Resources Development in India (Research Projects under Study)
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Rs.100
Frequency	One Time
Year	1988
Notes	Published under Research Scheme applied to River Valley Projects.
Annotation	Contains particulars of 450 projects under study under CBIP Research Scheme and other schemes at 60 research stations, classified under 14 subject areas concerning water resources development.

0128

Title	Rock Bolting
Author	Rao DN
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Out of print Tech.Rep.No. 48. A publication under CBIP Research Scheme applied to River Valley projects.
Annotation	A compilation on rock bolting for use in design, research & construction fields of mining & tunelling projects. Covers theory of bolting, future characteristics, elements of bolt groups, pretensioning of bolts, rock bolts, special bolt systems shot crete & sealants.

0129

Title	Rock Mechanics in India-Status Report
Author	
Publisher	CBIP
Place	New Delhi
Type	Status Report
Class	Open
Price	Rs.200
Frequency	One Time
Year	1988
Notes	Published under Research Scheme applied to River Valley Projects & edited by Dr. T Ramamurthy.
Annotation	Contains 23 articles covering various aspects of rock mechanics, including education in civil engineering & mining, research on strength, deformations, analysis & stability and practices in field testing, mining, anchoring, grouting, tunneling & drilling & blasting.

0130

Title	Second International Workshop on Alluvial River Problems
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.180
Frequency	Occasional
Year	1985
Notes	Proceedings of International Workshop held in Roorkee.
Annotation	Contains 30 papers & discussions held under, Transient Flows in Alluvial Streams, Sediment Control in Canals, Catchments & Reservoirs, Yield & Transport of Sediment, River processes & river improvement works, sediment sampling & sediment properties and physical modelling sections.

0131

Title	Seminar on Application of Systems Analysis Techniques for Development of Water Resources
Author	
Publisher	CBIP
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Rs.45
Frequency	Occasional
Year	1985
Notes	Seminar sponsored by CWC & Co-sponsored by CBIP (price inclusive of post-session proceedings).
Annotation	Contains 14 chapters arranged under 2 sections viz. General Approach to Systems Engineering; Studies of large river basins & brief description of studies carried out by CWC under UNDP project.

0132

Title	Seminar on Electrical Insulation
Author	
Publisher	CBIP
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Rs.50
Frequency	Occasional
Year	1986
Notes	Papers of Seminar Jointly Organized by CBIP and Central Power Research Institute.
Annotation	Presents 16 papers discussed under 4 Sessions viz. Gaseous & Vacuum Insulation System, insulation for cables & over-head lines, impregnating compounds and liquid impregnants and electrical characteristics of insulation system.

0133

Title	Seminar on Flood Frequency Analysis
Author	
Publisher	CBIP
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Rs.50
Frequency	Occasional
Year	1985
Notes	Seminar sponsored by National Institute Of Hydrology & co-sponsored by CBIP.
Annotation	Presents 8 papers of seminar organized for discussion and exchange of views on current developments in flood frequency analysis & applicability of frequency (flood) model for design purposes, papers prepared by NIH scientists.

0134

Title	Seminar on Transmission Line Materials
Author	
Publisher	CBIP
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Rs.50
Frequency	Occasional
Year	1987
Notes	Papers & discussion reports of seminar jointly organized by CBIP & Central Power Research Instt.
Annotation	Presents 22 papers & post-session proceedings including three technical sessions viz.transmission line supports, conductors & accessories and transmission line materials.

0135

Title	Seminar on Water Quality & its Management (Post Session Proceedings) Vol.2
Author	
Publisher	CBIP
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Rs.50
Frequency	Occasional
Year	1986
Notes	Publication under CBIP Research Scheme applied to River Valley Projects (price is of 2 Vols.).
Annotation	Contains post session proceedings & conclusions drawn at technical sessions; two additional papers on ground water pollution & activities of CWC incorporated.

0136

Title	Seminar on Water Quality & its Management-Proceedings Vol.1
Author	
Publisher	CBIP
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Rs.50
Frequency	Occasional
Year	1985
Notes	A publication under CBIP Research Scheme applied to River Valley Projects (Vols priced as one).
Annotation	17 papers on identification of water quality parameters, methods of sampling & analysis, standards & indicators for water quality for various consumptive uses, water quality models, pollutant-carrying capacities, interaction between surface&ground water&case studies on pollution&water quality management

0137

Title	Short Term Course on Remote Sensing Techniques Applied to Water Resources Studies (Lecture Notes)
Author	Katti RK
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.100
Frequency	One Time
Year	1986
Notes	A publication under research scheme applied to River Valley Projects.
Annotation	Contains 35 papers covering fundamentals of Remote Sensing, Geo Data Base & Remote Sensing Applications to water resouces. Applications include resources inventory, hydrological studies, erosion, flood plain zoning & soil & irrigabilty classification.

0138

Title	Small Hydro Stations Standardisation (Publication No.175)
Author	
Publisher	CBIP
Place	New Delhi
Type	Manual
Class	Open
Price	Rs.40
Frequency	One Time
Year	1985
Notes	
Annotation	Presents material on standardisation of specifications & equipment required for small hydro stations under 3 chapters viz. Standardisation of civl works for micro/mini hydro schemes, standardised generating equipment and model specifications.

0139

Title	Souvenir, 6th International Conference on Expansive Soils
Author	
Publisher	CBIP
Place	New Delhi
Type	Souvenir
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Contains message received for the conference and 13 articles on developments connected with various facets of expansive soils in India and activities of CBIP.

0140

Title	Spillways and Hydraulic Energy Dissipators
Author	Rajan BH and Shivashankara Rao KN
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Out of print. Tech. Rep. No.37; A Publication under CBIP Research Scheme applied to River Valley Projects.
Annotation	Deals with hydraulic design of spillways & hydraulic energy dissipators; covers spilways types & profiles, types & selection of energy dissipators, hydraulic jump, stilling basins & buckets & dimensional analysis & hydraulic models studies.

0141

Title	Static Var Compensators - State-of-Art
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1985
Notes	A report under Research Scheme on Power. Tech. Rep. No. 41.
Annotation	This report briefly covers the various types of static VAR compensators in vogue, their field applications & advantages & disadvantages, the conventional types-synchronous condensers, capacitors & reactors in control response flexibility, in application etc.

0142

Title	Study of Damage to ACSR Conductors, Hardware & Line supports under severe Chemical Pollution
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1986
Notes	A publication under Research Scheme on Power. Tech.Rep.No. 54.
Annotation	Presents report of study of damage to ACSR conductors, hardware & line supports under severe chemical pollution.Includes qualitative analysis of conductor pieces in laboratory & consultation with other organisations for finding solutions, to avert chemical reaction on conductor.

0143

Title	Study of distribution Transformer failures.Suggest Preventive maintenance No.25 RMS: Evolve effective Protective Measures.
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	*1985*
Notes	A publication under Research Scheme on Power. Tech. Rep.No. 42.
Annotation	Distribution transformer is an important link between sub-transmission & distribution system.Studies on failure of distribution transformers due to improper maintenance reported.Specifications of moulded suitable for protecting distribution transformers indicated.

0144

Title	Study of failure of 6.6 KV motors in Thermal Power Stations
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1985
Notes	A publication under Research Scheme on Power. Tech. Rep.No. 48.
Annotation	Findings of study on 97 HT motors of various capacities used as the drive for different auxiliaries at Ennore Thermal Power Station presented.Indicates that mechanical failures are more than electrical ones & suggests preventive measures.

0145

Title	Study of measures to increase the Life of Lamps and Accessories in the Public Lighting Systems
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1987
Notes	A publication under CBIP Research Scheme on Power. Tech. Rep.No.58.
Annotation	Presents study of causes leading to shortening of life of various types of lamps & how they can be prevented. Possible problems faced in their operation & methods of getting over them covered.

0146

Title	Symposium on Evolving Criteria for improved Planning & Management of Irrigation Systems - Proceedings Vol.1
Author	
Publisher	CBIP
Place	New Delhi
Type	Symposium Proceedings
Class	Open
Price	Rs.125
Frequency	One Time
Year	1986
Notes	
Annotation	Presents 22 papers on existing irrigation systems, shortcomings, modifications required to suit modern farming requirements, system operation-objectives, planning involved, policy changes required, and organisational aspects & training.

0147

Title	Symposium on financial viability and generation of financial resources of electricity boards
Author	
Publisher	CBIP
Place	New Delhi
Type	Symposium
Class	Open
Price	Rs.35
Frequency	Occasional
Year	1986
Notes	A broad review of financial performance of electricity boards so far Pub.No. 183.
Annotation	Contains 15 papers covering tariff and generation of financial resources, management of electricity boards, financial performance, mobilisation of financial resources and subsidy to rural electrification programmes.

0148

Title	Symposium on performance and evaluation of Irrigation & CAD Projects
Author	
Publisher	CBIP
Place	New Delhi
Type	Symposium Proceedings
Class	Open
Price	Rs.50
Frequency	Occasional
Year	1986
Notes	Presents 8 papers including general issues and experiences of Punjab, Haryana and Madhya Pradesh.
Annotation	Papers include problems involved in evaluating performance of irrigation projects, application of evaluation concept performace, lined canals, impact of lining water courses and evaluation of specific irrigation and CAD projects in Haryana.

0149

Title	Systems Engineering Workshop for Water Resources Development and Reservoir Operation (Lecture Notes)
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.50
Frequency	One Time
Year	1985
Notes	Lecture notes of workshop conducted by Systems Engineering Unit, Central Water Commission.
Annotation	Contains 29 lecture notes, addresses of workshop aimed at middle level engineers, with emphasis on practical application of the techniques to real life problems. Covers all important aspects of water resources development studies.

0150

Title	Thermal Over-loading of Transmission lines
Author	
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1988
Notes	A publication under CBIP Research Scheme on Power. Tech.Rep.No.64.
Annotation	Covers chapters on heat balance equation, heat equation for short time ratings, data of parameters affecting thermal rating of conductors, experimental verification of heat balance equation, transmission conductors current ratings & current rating tables.

0151

Title	Thermal Power Generation - An Overview
Author	Subramanian SS
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	A publication under CBIP Research Scheme on Power. Out of print. Tech. Rep. No. 45.
Annotation	Presents addresses & papers-5- on data acquisition system, boiler pressure, part maintenance programme, operational experience with 200/210MW TG sets of Soviet design, thermal power development in India & problems & prospects with electrostatic precipitators in India.

0152

Title	Total Catchment Management (Journal of Soil Conservation, New South Wales)
Author	
Publisher	CBIP
Place	New Delhi
Type	Technical Journal
Class	Open
Price	Rs.100
Frequency	One Time
Year	1987
Notes	Published under CBIP Research Scheme on Flood Control.
Annotation	Pesents 20 topics covering resource management for future, sediment management on total catchment basis, importance of total management, urbanisation, pollution management, agriculture, trees in catchments, impact of road construction and some specific studies.

153

Title	Use of Hydrazine for Deoxygenation - A Status Report.
Author	Ramshesh V and Venkateswarlu KS
Publisher	CBIP
Place	New Delhi
Type	Report
Class	Open
Price	Rs.26
Frequency	Occasional
Year	1986
Notes	A publication under research scheme on power.Tech. rep. no. 53.
Annotation	Deals with various advantages of hydrazine as deoxygenating agent. Includes section on deoxygentation & kinetic aspects, pH maintenance, decomposition of hydrazine, use of catalysed hydrazine & field studies, use of catalysed hydrazine for obtaining faster reaction is explained.

0154

Title	Water Resources & Power Development - CBIP Awards
Author	
Publisher	CBIP
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Out of print. Pub. No. 192.
Annotation	Gives a brief account of various awards, names of awardees and their contributions along with texts of citations of Golden Jubilee & Yadavamohan awards.

155

Title	Workshop on Behaviour of Concrete under Multiaxial States of Stress: Lecture Notes.
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.200
Frequency	One Time
Year	
Notes	Published under Research Scheme applied to River Valley Projects. Contributions by UNDP experts.
Annotation	Topics include design & analysis of concrete dams, specific aspects of dam construction, static & dynamic interaction between dam, foundation & reservoir, analytical & experimental issues, nonlinear finite element method techniques for analysing concrete dams subjected to dynamic loading.

0156

Title	Workshop on Coal Problems in Thermal Power Stations - Proceedings
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.50
Frequency	One Time
Year	1987
Notes	
Annotation	Contains 20 papers covering different aspects of the subject-problems faced in transportation & handling of coal, renovation & modification work being done, innovative ideas that could be adopted and areas of research & development.

0157

Title	Workshop on Engineering Classification of Rocks
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.40
Frequency	One Time
Year	1985
Notes	A publication under Research Scheme applied to River Valley Projects.
Annotation	Contains 12 papers for discussion dealing with engineering classification of rockmass, review of classification, rockmass strength, rockmass characterisation by geophysical methods, correlations for design based on classification, classification for underground structures etc.

0158

Title	Workshop on Examining Indepth Aspects relating to Communication requirements for Power System Operation - Proceedings
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.40
Frequency	One Time
Year	1985
Notes	
Annotation	Contains 15 papers on communication requirements for effective power system operation & control, present communication system available in power sector & limitations, satellite & optical fibre communication systems & their economic & technical aspects & infrastructural requirements for reliable communication.

0159

Title	Workshop on Flood Damage Assessment - Proceedings and theme papers (Separate Volumes)
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.100
Frequency	One Time
Year	1987
Notes	Published under Research Scheme on Flood Control.
Annotation	Contains 5 theme papers & 4 additional papers and proceedings on flood damages, data collection, damages in the country, methodology of assessment and estimates for Rengali project. Theme papers included in proceedings, under separate cover.

0160

Title	Workshop on Flood Estimation in Himalayan Region - Proceedings
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.175
Frequency	One Time
Year	1986
Notes	Workshop organised by Irrigation Design Organization, Roorkee (UP).
Annotation	Contains 20 papers covering meteorological and hydrological aspects of flood estimation. General approaches and methods adopted for specific projects located in Himalayan region, etc.

0161

Title	Workshop on Geomembranes Geofabrics (1985), Proceedings (Reprinted)
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.250
Frequency	One Time
Year	1987
Notes	Published under Research Scheme applied to River Valley Projects.
Annotation	Contains 9 papers, proceedings & recommendations of workshop. Topics include use of geomembranes & fabrics in India, manufacturing processes, Specifications, geotextiles as filters in filldams & in highway engineering.

0162

Title	Workshop on Inter-utility Tariff, Proceedings
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.25
Frequency	One Time
Year	1986
Notes	
Annotation	Contains 6 papers covering rationale & philosophy for tariff for transfer of power, tariff for optimising utilisation of genrating resources, commercial aspects of inter-utility exchange, semi-spot pricing method, tariff principles for inter-system exchanges, & classification & tariff principles.

0163

Title	Workshop on Repair of Concrete - Proceedings
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.120
Frequency	One Time
Year	1985
Notes	A publication under Research Scheme applied to River Valley Projects.
Annotation	Contains 23 papers on general considerations, materials & methods, special problems & techniques, repair & strengthening of Hydraulic structures, case studies of damages & repairs and suggestions for future research.

0164

Title	Workshop on Rock Reinforcement (Vols I & II) - Lecture Notes
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.350
Frequency	One Time
Year	1986
Notes	Published under Research Scheme applied to River Valley Projects
Annotation	Contains 23 notes on design aspects, rockbolt hardware, shotcrete, rockbolt installation, quality control, case history of field performance of rock support and contracts & specifications of workshop sponsored by UNDP, CSMRS & CBIP.

0165

Title	Workshop on Rockfill Technology for High Fill Dams - Lecture Notes, and Rockfill Dams in Norwegian Practice - A Manual
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.200
Frequency	One Time
Year	1986
Notes	Published under Research Scheme applied to River Valley Projects.
Annotation	Lecture notes contain 10 papers on design, testing, hydraulic aspects, modelling, mechanical properties, prediction of structural behaviour, new construction techniques & safety evaluation. The manual on rockfill dams in Norwegian practice is by Norwegian Geotechnical Institutte, Norway.

0166

Title	Workshop on Seismic Analysis and Design of Earth and Rockfill Dams (Vol I&II) (Lecture Notes)
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.700
Frequency	One Time
Year	1986
Notes	A publication under Research Scheme applied to River Valley Projects.
Annotation	Contains 25 lecture notes on various aspects at workshop sponsored by UNDP, CSMRS & CBIP. Coverage includes field & laboratory investigations & testing, Dam design to improve seismic stability, Dynamic analysis, emergency action plans, fields inspection after Earthquakes etc.

0167

Title	Workshop on Silting Problems in Hydro Electric Power Stations - Technical Papers
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Publication out of print.
Annotation	Contains 22 papers & keynote address. Covers general silting problems, silting problems of specific stations, civil aspects of remedial measures, design, reserch & development aspects of remedial measures and repairs & renovation.

0168

Title	Workshop on series compensation in Power Systems Technical Papers
Author	
Publisher	CBIP
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Rs.30
Frequency	One Time
Year	1986
Notes	
Annotation	Contains 9 papers covering various aspects of series compensation in power systems, including overview of series & hunt compensation, system testing of control & protection equipment, problems of series compensation, experiences in application of series capacitor compensation etc.

CSIR

Council of Scientific & Industrial Research

V.3

Records: 0169 — 0261

0169

Title	40 years of Research - A CSIR Overview
Author	
Publisher	CSIR
Place	New Delhi
Type	Commemorative Volume
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	A Commemorative Volume.
Annotation	Important Research results of CSIR in areas such as Geophysics, Radioscience, Oceanography, Solar Photovoltaics, Agro Chemicals, Catalysis, Polymers, Corrosion, Coal, Food, Drugs, Building Materials etc.

0170

Title	40 years of Research - A CSIR Overview
Author	
Publisher	CSIR
Place	New Delhi
Type	Collection of Research Papers
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	Series II
Annotation	Seventeen Research contributions of CSIR Scientists in fields such as Material Science, Micro Electronics, Oceanography, Floriculture, Industrial Toxicology, environment Sciences, Computer Applications & Bibliometrics.

0171

Title	A Note on Major Achievements During 1980-85
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives details of Significant Contributions of CSIR in Petroleum, Chemicals, New Drugs, Aeronautics, Coal, Biotechnology etc.

0172

Title	A Profile of CSIR Scientists
Author	
Publisher	CSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Entries give data on professional level of CSIR scientists, women scientists, higher level qualifications in science and technology, career advancement, and awards and distinctions received by CSIR scientists.

0173

Title	A Report on Code of Practice for Safe Storage & Handling of Chemicals for Central Warehousing Corporation
Author	
Publisher	CSIR
Place	New Delhi
Type	Manual
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Gives information for Chemical Warehousing Personnel, Nature of Chemical Hazards and Management, Practices & Procedures for Safe Storage, Handling Accidents, First Aid for each class of Chemicals related injury.

0174

Title	Activities & Achievements of CSIR : A Report
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Presents CSIR participation in national programmes & technology missions in areas such as drinking water, oil seeds, wasteland development, information on thrust areas in physical, chemical, biological & engineering sciences.

0175

Title	Activity Milestones (upto March 1987) Significant Research Projects
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Information is presented in a tabular form under various headings.
Annotation	Research programmes are broadly classified as projects of interest to industry/commerce/agriculture, high technology, societal missions, specialised information on databases, modelling applications, manpower development and basic sciences.

0176

Title	Activity Milestones (upto March 1987) Implementation of Technologies and Significant Research Projects
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Deals with significant research projects and implementation of technologies in specific fields like petroleum, coal, water, rural sector etc.

0177

Title	An Approach to a Perspective Plan for 2001 A.D. Role of Science & Technology
Author	
Publisher	CSIR
Place	New Delhi
Type	Perspective Plan
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Signed by all members of Science Advisory Committee to the Prime Minister.
Annotation	Describes(1) a possible philosophy for perspective planning, suggesting priorities, (2) essential aspects of S&T inputs to national planning (3) planning for S&T (4) role of S&T in industry (5) mechanisms for implementation.

0178

Title	An Inventory of Directories of Institutions in India engaged in Rural Development
Author	
Publisher	CSIR
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Gives a list of institutions engaged in rural development in India.

0179

Title	An Inventory of Periodicals on Rural Development and Related Subjects
Author	
Publisher	CSIR
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	A sequel to the earlier publication of August 1984, an inventory of available Indian and selected foreign periodicals on rural development.

0180

Title	Annual Report 1985-86 CSIR New Delhi
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Presents Important Achievements of National Laboratories in diverse areas such as Technology Transfer, High Technology, Special Missions, Specialized Information Databases, Modelling Applications, Basic Sciences etc.

0181

Title	Antigens for Diagnosis and Immunotherapy of Allergic Disorders
Author	
Publisher	CSIR
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Lists antigens available, diagnostic antigen tests for allergic disorders, the skin reactions, features of different skin responses to intrapermal tests, antigens for *therapeutic* use, their method of injection and details of the emergency kit.

0182

Title	Arrangements for the Promotion of Technological Innovations in developing countries (India)
Author	Banerjee P, Lal VB, and Nath P
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	A Report prepared for the World Intellectual Property Organisation.
Annotation	Under 4 chapters discusses the framework for the promotion of technological innovation, Basic functions & Objectives of systems or arrangements for the promotion, case studies of existing systems, or Institutional arrangements, suggestions and recommendations etc.

0183

Title	Australian Science and Technology - An Indian Perspective
Author	Chandra M
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	
Annotation	Discusses the trends of S&T in Australia based on its geography, history, civil research including Industrial research & development, future trends in scientific & technological R&D in Australia. Aid policy of Australia in S&T with emphasis on Indo-Australian relation etc.

0184

Title	Biomedicals Price List
Author	
Publisher	CSIR
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Gives a list of 171 biochemicals commonly used for research and its price and another list of biochemicals whose availability is uncertain; also given are the price lists for tissue culture media, chromatography reference standard kits, clinic diagnostic kits etc.

0185

Title	CECON - What it is and What it does
Author	
Publisher	CSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Informs about civil engineering consultancy sevices of CSIR, what it does, its specialities, its advantages, and its organisation. Also given are its range of consulting activities and the names of some of the organisations served by one or more of the member labortories of CECON.

0186

Title	CSIR Agro-technologies for Wasteland Development
Author	
Publisher	CSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Describes Major Accomplishments of CIMAP, NBRI, CSMCRI, NIO in the development and utilization of Waste Materials.

0187

Title	CSIR Handbook 1985
Author	
Publisher	CSIR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	A Concise Handbook on CSIR and its Constituents.

0188

Title	CSIR Handbook on Patent Procedures
Author	
Publisher	CSIR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Consolidates the principles and procedures leading to the grant of a patent from the first to the last step.

0189

Title	CSIR News, A Semi-monthly House Bulletin of CSIR
Author	
Publisher	CSIR
Place	New Delhi
Type	Journal
Class	Open
Price	Not Priced
Frequency	Fortnightly
Year	
Notes	
Annotation	Reports progress of work in various CSIR labs, highlights, Annual Reports, patents filed, deputation abroad, promotions and awards and other matters of general interest.

0190

Title	CSIR Patent Information 1986
Author	
Publisher	CSIR
Place	New Delhi
Type	List
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives information on technologies developed by CSIR laboratories for which patent applications have been filed in 1986; provides also an inventors index, gives a statistical analysis.

0191

Title	CSIR Poly-technology Transfer Centre, Shillong, Second Meeting of the Advisory Comittee Dec.8, 1983
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Contains review of the work done, future plans, and the constraints in the way of effective functioning of PTC; in the annexures, the Minutes of the First Executive and Advisory Council of CSIR PTC, Shillong given and also S&T problems identified by PTC and actions taken.

0192

Title	CSIR Poly-technology Transfer Centre, Trivandrum
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Promotional efforts for technology by Poly-technology Transfer Centre in Chemicals and Pharmaceuticals, Civil Engineering, Mechanical and Metallurgical Engineering, Food and By-products.

0193

Title	CSIR Society Decisions February 1988 Meeting
Author	
Publisher	CSIR
Place	New Delhi
Type	Compendium
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Includes Decisions taken on the Review Committee Report, Observations of Scientific Advisory Council and Recommendations of Governing body.

0194

Title	CSIR-Some Selected Technologies
Author	
Publisher	CSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives some successful technologies developed by CSIR. They have developed new chemical additives to improve the flow of crude oil, designed and developed at lowcost tractor, and developed technology for the production of benzyl chemicals, methyl chlorosilanes menthol, acetanilide, and dimethylamine.

0195

Title	CSIR Technologies which have gone into Production between the years 1977 and 1982
Author	
Publisher	CSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Contains a list of successful technologies developed by the labs under CSIR in the field of Chemicals, Drugs and Pharmaceuticals Food and Beverages, Pesticides and Pulp, Corrosion, Civil Engineering, Electronics and Instrumentation, Machines& Equipment. Ceramics & Glass, and Energy Conversion.

0196

Title	CSIR Technologies which have gone into Production during April 1977 to September 1983 in Small Scale Industry
Author	
Publisher	CSIR
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Lists the processes and products made available by the Small Scale Industry in the fields of drugs and pharmaceuticals, electronics and instrumentation, pesticides, and chemicals.

0197

Title	CSIR in Service of Gujarat State
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Brought out on the occasion of the conference on application of S&T for rural development in Gujarat
Annotation	Outlines the contributions of CSIR in developing food production, monitoring water and environmental pollution, providing housing facilities, transfer of technology, leather, ceramics, and chemical industries of Gujarat State.

0198

Title	CSIR in the Service of Madhya Pradesh
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Brought out on the workshop exhibition on science & technology for rural Madhya Pradesh.
Annotation	Outlines contributions of CSIR to Madhya Pradesh in technology development in food, water & environment, housing roads, survey of natural resources, industry, R&D in materials etc.

0199

Title	CSIR in the Service of the North Eastern Region
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Outlines the contributions of CSIR to North Eastern Region in technology for rural development, food, industries, housing, road, geophysical studies, rural industries etc.

0200

Title	Catalytic Impact of Steel Plants on Local Small Industries
Author	Nag S
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Classified
Price	Not Priced
Frequency	One Time
Year	
Notes	Contains case studies and 31 appendices.
Annotation	Discusses the nature & strength of the linkages existing between them. Identifies new areas of cooperation between steel plants & local small industries. appendix 19 gives definition of ancilliary industries.

0201

Title	Characteristics of Scientific Development in Japan
Author	Nakayama S
Publisher	CSIR
Place	New Delhi
Type	Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1977
Notes	Lecture Series 8/77.
Annotation	Lectures of Nakayama covers development of Astronbmy, Medicine, Mathematics in Japan with Society. In the last lecture discusses the role of S&T in modern development, Western Influences, Impact on Education & Society, New emphasis of different fields.

0202

itle	Chemical Industry and challenges of Seventh Plan
Author	
Publisher	CSIR
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Rs.50
Frequency	Occasional
Year	1986
Notes	Edited by Ram S Hamsagar.
Annotation	Besides an overview of process chemical industries, presents papers on technology policy, mangement of energy, pollution control and environment quality & process control with three case studies.

0203

Title	Choice of Technology for lifting Irrigation Water: A Comparative Study of Energy Alternatives
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	A two year collaborative study of CSIR & Swiss Development Corporation.
Annotation	Presents a brief review of renewable energy devices for irrigation, water pumping, outlines methodology for economic evaluation of using alternative energy, gives tentative results and policy imperatives for promoting renewable energy.

0204

Title	Contributions to Industrial Technology 1985 to 1986
Author	
Publisher	CSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Outlines the contributions of CSIR in the development of drugs, catalysts, housing materials, polymers, chemicals, metals and alloys; also gives data about research utilization during 85-86.

0205

Title	Control of Hazardous Chemicals and Micro Organisms in India
Author	Datta PS, EDITOR
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	A study done under a Research Project sponsored by the Min. of Env. & Forests.
Annotation	Gives 9 articles of Hazardous Chemicals, water & air pollution control, International approaches, pesticides regulation in various countries, regulatory control of food additives, Hazard-management for chemical industries, guidelines for model legislation etc.

0206

Title	Development of Social Sciences & Science Policy Studies in Europe
Author	Salmon JJ
Publisher	CSIR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1976
Notes	Lecture Series 2/76.
Annotation	Comprises two lectures delivered on Social Sciences, Policy making &Industrial Society in Europe & Science Policy. Also gives general Bibliography & 60 selected references.

0207

Title	Developmnet of Technology for Sugar Industry
Author	
Publisher	CSIR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Seminar proceedings on Sugar Technology, 22 August ,1984.
Annotation	Divided into three parts: First part contains a general description of the sugar industry, part two contains technical aspects of sugar industry and its new developments, and in part three, an overview of R&D in sugar industry and the input of CSIR laboratories given.

0208

Title	Directory of CSIR Scientists-6 Volumes
Author	
Publisher	CSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Pages-v1-1-148, v2-149-620, v3-621-1270, v4-1271-1771, v5-1772-2515, v6-186.
Annotation	Lists the biodata of 5300 Scientific Officers of CSIR; v1-Information Science; v2-Physical & Earth Sciences; v3-Chemical Sciences; v4-Biological Sciences; v5-Engineering Sciences ; v6-Name and Specialisation Indexes.

0209

Title	Emeritus Scientist Scheme:Reports received of the Schemes completed during 1-1-1983 to 31-12-1985
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	A Report of Research carried out by CSIR Emeritus Scientists in the fields of Crude Oil Desalination, Amorphous Polymers, Radio Science, Electro-Chemical Reading, Protein, Food, Energy, Ocean etc., during 83-85.

0210

Title	Extramural Research Schemes: A Report for 1983
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives summary of some contributions to S&T through sponsored schemes of 1983. Lists the completed schemes and ongoing schemes in chemical, physical and engineering sciences and also gives a list of Emeritus Scientists.

0211

Title	Guidelines for Visits Abroad of CSIR Scientists, Revised
Author	
Publisher	CSIR
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	

0212

Title	Industrial R&D Capabilities:CSIR
Author	
Publisher	CSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Includes information on CSIR's Activities oriented to Industrial Research in Bio-sciences, Chemicals, Construction Technology, Electronics and Instrumentation, Energy, Environment, Food, Materials and others.

0213

Title	Information for Visiting Scientists
Author	
Publisher	CSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives information arrangements and procedures adopted for scientists visiting india under bilateral exchange of scientists programme and other S&T cooperation programmes for which CSIR is the implementing agency.

0214

Title	Knowhow Emanating from Scientific Agencies/Departments
Author	
Publisher	CSIR
Place	New Delhi
Type	Bibliography
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Technological knowhow of CSIR, BARC, ISRO, NRSA and those generated through DOE funding are given, including a list of their products and processes.

0215

Title	Manpower Planning in Scientific Research Institutes
Author	Joshi N
Publisher	CSIR
Place	New Delhi
Type	Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1979
Notes	Monograph Series 2/79.
Annotation	Gives a detailed account of Scientific & Technical Manpower engaged in CSIR R&D Institutes, its Organisational, Socio-Economic & Educational Characteristics, Feasibility range of research targets, Productivity of researchers, Research technologies, demand for Scientific & Technical Manpower etc.

0216

Title	National Science Day, 18 February 1987:A Commemorative Volume
Author	
Publisher	CSIR
Place	New Delhi
Type	Commemorative Volume
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Includes texts of Scientific Policy Resolution 1958 and Technology Policy Statement.
Annotation	A collection of papers on diverse fields such as S&T for common man, Industrial Development, Physical and Chemical Sciences R&D Management.

0217

Title	Package Scheme for Indian Scientists, Technologists, Engineers Abroad to set up Industries in India (PS-74)
Author	
Publisher	CSIR
Place	New Delhi
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Facilities under the scheme are outlined: permission to maintain foreign bank accounts, assistance in obtaining licenses, infrastructural facilities provided and financial assistance.

0218

Title	Paris convention for the Protection of Industrial Property in relation to Industrial Property Laws: Background Paper
Author	
Publisher	CSIR
Place	New Delhi
Type	Background Paper
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Deals with Protection of Industrial Property, Inventions, Trade Marks, Service Marks, Designs, Models, Examines Provisions of Paris Convention in relation to Right of Property, Patents act.

0219

Title	Pesticides in India : Problems and perspectives
Author	Mrinalini N
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	In 4 chapters discusses the growth of Pesticide Industry in the country, role of CSIR R&D & implications of pesticides toxicity etc. Annexures list commonly used pesticides in India, Broad classification based on chemical composition, insecticides approved by Registration Committee etc.

0220

Title	Project "TOKTEN - India" a UNDP Programme Technical Reports of Consultants : Engineering & Technology III Civil, Mechanical and Applied
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	6 Reports are bound together in this document. Consultants: Shyam Sundar, A Chatterjee, S R Gollahalli
Annotation	Reports on the organisations/agencies with which the consultants were associated activities & programmes assessed, seminars or special lectures delivered at different places on specific topics and recommendations made.

0221

Title	Project "TOKTEN-India" - a UNDP Programme Technical Reports of Consultants : Supplement - Applied Sciences
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Three reports are bound in the document. Consultants: J.Ganguly, D.P.Hajela, P.S.Parasnis.
Annotation	Reports on the organisations/agencies with which the consultants were associated activities & programmes assessed, seminars or special lectures given at different places on specific topics and recommendations made.

0222

Title	Project "TOKTEN-India" a UNDP Programme: Technical Reports of Consultants: Engineering & Technology (Electrical & Electronic)
Author	Bajpai EC
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Six Reports bound together in this document. Consultants: B.P.Agrawal, K.S.Govindraj, A.K.Jain.
Annotation	Reports on the organisations/agencies with which the consultants were associated activities & programmes assessed, seminars or special lectures given at different places on specific topics and recommendations made.

0223

Title	Project "TOKTEN-India" a UNDP Programme Technical Reports of Consultants Supplement 1 : Bio-sciences and Basic Medical Sciences
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	4 reports are bound together in this document consultants: S Muthukrishnan, Arun K Roy, Nikhil Sarkar
Annotation	Reports on the organisations/agencies with which the consultants were associated, activities & programmes assessed, seminars or special lectures delivered at different places on specific topics and recommendations made.

0224

Title	Project "TOKTEN-India" a UNDP Programme Technical Reports of Consultants: Supplement 1. Engineering & Technology, II Ceramic & Chemical:
Author	Bhattachayra PN, Matadeen, Bajpai EC
Publisher	CSIR
Place	
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Three reports in this document are bound together. Consultants: S.V.Dighe, D.K.Nath, R.N.Singh
Annotation	Reports on the organisations/agencies with which the consultants were associated activities & programmes assessed, seminars or special lectures given at different places on specific topics and recommendations made.

0225

Title	Project "TOKTEN-India" a UNDP Programme Technical Reports of Consultants Supplement 1.Engineering & Technology III (Civil Mechanical and Applied)
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Two Reports in this document are bound together. Consultants: R.B.Bhat, P.Samath.
Annotation	Reports on the organisations/agencies with which the consultants were associated activities & programmes assessed, seminars or special lectures given at different places on specific topics and recommendations made.

0226

Title	Project "TOKTEN-India" a UNDP Programme. Technical Reports of Consultants Biosciences and Basic Medical Sciences
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	10 Reports bound together in this document. J.K.Bhattacharjee, A. M. Chakraborty, M.Das, K.Dasgupta.
Annotation	Reports on the organisations/agencies with which the consultants were associated, activities & programmes assessed, seminars or special lectures given at different places on specific topics and recommendations made.

0227

Title	Project "TOKTEN-India" a UNDP Programme: Technical Reports of Consultants: Applied Sciences
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Seven technical reports bound in this document: Consultants ; J.Akella, A.M.Mehendale, C.E.Nehru.
Annotation	Reports on the organisations/agencies with which the consultants were associated activities & programmes assessed, seminars or special lectures given at different places on specific topics and recommendations made.

0228

Title	R&D Impact
Author	
Publisher	PID
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives basic statistics on CSIR labs & institutions: performance indicators on research papers, patents, knowhow, contracted research consultancy assignments, S&T manpower, specialised courses.

0229

Title	Rac Approved R&D Projects in the National Laboratories
Author	
Publisher	CSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Lists the Projects approved by Research Advisory Councils of different National Laboratories in the area of Physical and Earth Sciences, Chemical Engg; Biological Sciences, Information Sciences etc.

0230

Title	Report of Patents Unit, CSIR for the period 1982-83 to 1984-85
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Lists CSIR Patent applications filed between 82-85.

0231

Title	Report of the CSIR Review Committee:Towards a New Perspective
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Chairman: Abid Hussain.
Annotation	Recommendations made on R&D Areas, Structure & Management, Earnings, Personnel, Technology Development and Transfer, Government Policy etc.

0232

Title	Research Output (Papers Published during 1985-86) of National Laboratories
Author	
Publisher	CSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Compiled and edited by N.R. Rajagopal and S. Chandrasekharan.
Annotation	Papers published in Journals by the scientists of CSIR are listed giving the Name of Author(s), Title of the paper, Name of the Journal, Volume, PP and Year Grouped into Physical & Earth Sciences, Chemical Sciences, Biological Sciences & Engineering Sciences. Author Index, Journal Index are provided

0233

Title	Research Output 1987 : Bibliometric Analysis of Research Papers
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	A bibliometric analysis of research papers of national laboratories of CSIR : Parameters generated for each paper are impact factor, normalised impact factor, field of S&T to which the journal belongs, classification of journals as sci/non-sci, Indian/non-Indian.

0234

Title	Research Output of National Laboratories: Papers Published during 1985 & 1986
Author	
Publisher	CSIR
Place	New Delhi
Type	Collection of Papers
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	The papers have been broadly grouped under Physical & Earth Sciences, Chemical Sciences, Biological Sciences, and Engineering Sciences.Papers published in journals alone have been considered. A laboratory-wise, author index and an overall journal index have been given.

0235

Title	Research Output of National Labortories 1986
Author	
Publisher	CSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Lists the Papers Reports, Monographs, and Patents contributed by Scientists of CSIR laboratories in 1986. The patents filed for in 1986 are given in the end.

0236

Title	Review of performance January-June 1985, Plan for July December 1985; Medium and Long Range Perspective
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Deals with the achievements and objectives of CSIR in important sectors like energy, environment, rural development, transportation etc. Also reviews the performance of CSIR from January-June 1985 and the research output indicators for the whole year.

0237

Title	Rural Development and Technology:A Status Report-cum-Bibliography
Author	Bose PR, and Vashisht VN
Publisher	CSIR
Place	New Delhi
Type	Bibliography
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1980
Notes	4090 Bibliographic entries.
Annotation	Mainly a Bibliography; Entries arranged under agriculture, cooperation, demography, electrification, employment, energy, farming, finance & banking, government&administration etc. Includes statistical tables, list of journals & newspapers&institutions involved in rural development.

0238

Title	SI PTC at the Service of Industry and Karnataka Govenment
Author	
Publisher	CSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Informs about the areas in which PTC offers technical assistance. PTC is a vital link between research and industry bridging the gap between the technoogy generators and users. PTC functions under the guidance of an Advisory Committee chaired by the Secretary to Government of Karnataka.

0239

Title	Science & Technology Indicators for Development; State of Art & Annotated Biblography
Author	Rahman A, Pruthi S, Nagpaul PS, Kundra R and Mehta G
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	A study commissioned by Commonwealth Science Council (London).
Annotation	Discusses need for science indicators, their taxonomy, history, role, input indicators, research publications, Patents, Innovation Technology indicators, etc. Also gives 63 annotated bibliographic entries in Alphabetic order.

0240

Title	Science and Technology for Rural Development (Basic Issues)
Author	
Publisher	CSIR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Collection of 19 articles on rural development and technology transfer to the rural indusries. Strategies for technology promotion and delivery systems of appropriate technology for rural development also enumerated. Discusses mainly the S&T inputs needed to initiate and foster rural development.

0241

Title	Science and Technology for Rural Development; Report of the activities in some of the States and Union Territories
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	A report containing the activities of CSIR in rural development in Arunachal Pradesh, Bihar, Delhi, Gujarat, Jammu & Kashmir, Karnataka, Kerala, Maharashtra, Mizoram, Tamilnadu, Uttar Pradesh and West Bengal.

0242

Title	Science and Technology in China
Author	Dean GC
Publisher	NISTADS
Place	New Delhi
Type	Lectures
Class	Open
Price	Not Priced
Frequency	One Time
Year	1977
Notes	Lecture Series 4/77.
Annotation	6 lectures covering implications of the political & social content for S&T in China, Institutional settling for S&T, self-reliance & Technological Dependence, role of Engineering, Indegenous technology & Technological innovation in Chinese Industry, Philosophy of Science in China etc.

0243

Title	Self Reliance in Technology
Author	
Publisher	CSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	The technologies developed by CSIR and its constituent laboratories have been grouped for convenience into four areas. Chemicals and Chemical Engineering, Civil Engineering & Electronics and other engineering with suitable sub groups. Also listed are the specialised facilities available with CSIR.

0244

Title	Shanti Swarup Bhatnagar Prize for Science & Technology: Citation 1986
Author	
Publisher	CSIR
Place	New Delhi
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Text of citations in Hindi & English.
Annotation	Bhatnagar Awardees 1985 & 86.

0245

Title	Shanti Swarup Bhatnagar Prize for Science and Technology
Author	
Publisher	CSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Gives details about the Shanti Swarup Bhatnagar award. The proforma for the nomination for the award, the categories of people authorised as per the regulations governing the prize, and the recipients of the award from 1958-82.

0246

Title	Shanti Swarup Bhatnagar Prizes for Science and Technology: Awardees & Citations
Author	
Publisher	CSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Text of citation in Hindi and English.
Annotation	Gives the citations of awardees in Physical, Chemical, Biologicl, Engineering, Medical and Earth Sciences.

0247

Title	Significant Achievements 1986
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Achievements of CSIR in wasteland development, geophysics, electronics and instrumentation, oceanography, astronomy, petroleum and petrochemicals, metallurgy & water management and basic research. Gives information also on the national facilities, honours and awards received by Scientists.

0248

Title	Significant Achievements 1986
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Includes a list of Council's Establishments.
Annotation	Gives the Research output indicators in terms of knowhow licenced (119), Patents filed (115), Cash flow through sponsored research (Rs.22.5 cr.) etc. Also describes the contribution of CSIR to the Technology Missions, Ganga Action Plan, IMAP, SROSS Aeronomy project, National Facilities, Award Winners

0249

Title	Significant Achievements 1987
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	
Annotation	Gives Bibliometric indicators on CSIR research contributions, Reports CSIR achievements on technology missions on drinking water, oil seeds, wasteland development and other areas such as radio & space physics, electronic devices & systems, oceanographic research, biotechnology, ecology & environment.

0250

Title	State-of-knowledge Report on S&T in the Asian region
Author	Singh K
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	UNESCO - sponsored projects Reflections on World Problems.
Annotation	Discusses organisational infrastructure of S&T, Objectives & Major Orientation of the S&T Research, S&T Endowment comprising Human Resources, R&D patenting & Management Techniques, Problems related to transfer & adoptation of technology in different countries & Sector issues etc.

0251

Title	Status Report on Science and Technology in India 1988
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Bi-annual
Year	1988
Notes	
Annotation	Reference source on the status of S&T in India; lists governmental, non-governmental, professional, and private S&T agencies, S&T manpower, S&T communication efforts, and international cooperation in Science & Technology; Charts given of S&T framework of Central Government, Major Indian Space Missions.

0252

Title	Status Report on Science and Technoogy in India 1986
Author	
Publisher	PID
Place	New Delhi
Type	Status Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Prepared as a Country Report for presentation at an International Conference.
Annotation	Deals with Science & Technology Infrastructure, Science & Technology Plan, Science Policy, Research & Development Funds, Major S&T Departments, Research & Development in Industry, Technology Utilisation, Scientific Manpower etc.

0253

Title	Study on Manegerial Culture & Organisational Functioning : Case of an R&D Organisation
Author	Dhawan SK, Roy S and Bhattacharya KB
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Discusses under 7 chapters Managerial Culture, Research Methodology, Work Climate, Value System, sources of Mental Energy etc. of Indian Scientists.

0254

Title	Technologies for Human Welfare and Community Services, Volume 2 Technology for Rural Development
Author	
Publisher	CSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	In Appendix selected statistics for Rural and Urban India are given.
Annotation	Publication covers a wide range of techniques and technologies for meeting the needs of a broad spectrum of users in the countryside. Deals with the application of technology in health and family welfare, sanitation and environment, roads, communication, energy, natural resources exploitation etc.

0255

Title	Technologies for Rural Development: Volume 1: Production Oriented & Employment Generating Technologies
Author	
Publisher	CSIR
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Data given is updated till December 1982.
Annotation	Provides relevant data pertaining to select technologies developed by different CSIR laboratories with economic and production objectives, like agro-based, spice-based, poultry, marine-based technologies.

0256

Title	Technology Assessment
Author	Rothman H
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1975
Notes	Lecture Series - 1/75.
Annotation	Gives a critical look at the process of technology assessment, Social & Economic parameters to be kept in view while devising technolology assessment techniques for developing countries.

0257

Title	Technology Awareness Service
Author	
Publisher	CSIR
Place	New Delhi
Type	S&t Periodical
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	1975
Notes	Forms part of a quarterly Journal Research & Industry, available also seperately from CSIR.
Annotation	Issue contents include Technologies under development in Technologies available for exploitation, CSIR Patents under process, Research Brief etc.

0258

Title	Technology Mission on Drinking Water in Villages and related Water Management: Position Paper on Role of CSIR
Author	
Publisher	CSIR
Place	New Delhi
Type	Position Paper
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Lists CSIR Laboratories involved in the Technology Mission on Drinking Water, and Training Programmes, Action Programme etc.

0259

Title	The Transfer of Knowledge through Expatriate Nationals (TOKTEN) : An Evaluation of the "TOKTEN-India" Project-1980-87
Author	
Publisher	UNDP
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	M.C.Mahadeva, Chief of the Evaluation Mission, Members: D.N.Misra and Rais Ahmad.
Annotation	Examines objectives of the TOKTEN-India projects, their progress and follow-up action. contents include present status, perception of TOKTEN programme, future, conclusions & recommendations to UNDP, TOKTEN committee, implementation agency, consultants, global TOKTEN unit. Appendices : statistical tables.

0260

Title	Women in Science and Technology in Asia and Pacific Region - A synthesis
Author	Jain A and Chakravarthy R
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Sponsored by UNESCO.
Annotation	Deals with Socio-Economic problems confronting women in S&T development. In 6 chapters covers Family Division of Labour, Education & Training access to science & technical training & Professional Career, Health status of women, their contribution to Agriculture, Industry & Future strategies.

0261

Title	Workshop-cum-Exhibition on Science and Technology for Rural Madhya Pradesh
Author	
Publisher	CSIR
Place	New Delhi
Type	Workshop
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Consists of a collection of papers outlining the technologies developed by CSIR for use in rural Madhya Paradesh and the ways by which technology transfer can take place in the rural areas.

DAE

Department of Atomic Energy

V.4

Records: 0262 — 0437

0262

Title	Advanced Methods for Fabrication of PHWR and LMFBR Fuels. BARC-1421
Author	Ganguly C
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Radio-metallurgy Division.
Annotation	Summarises the state-of-the art of advanced methods of fabrication of oxide, carbide and nitride fuels and highlights the author's experience on Sol- Gel-Microsphere-Pelletisation (SGMP) route for preparation of these materials.

0263

Title	Alternate Strategies of Insect Control : Natural Products as Potential Biocides. BARC-1416
Author	Banerji A
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Bio-Organic Division.
Annotation	Purpose-oriented systematic screening of plant extracts for bioactivities such as insect toxicants, insect growth regulators and anticedants was undertaken as an alternate strategy for insect control.

0264

Title	Analytical Chemistry Division :Annual Report 1986. BARC-1389
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Gives the basic principles adopted in the service analysis report. Hoping that this format will be useful for the division in future and also to other analytical scientists.

0265

Title	Annual Progress Report for 1984 of Theoretical Physics Division. BARC-1263
Author	Rastogi BP, Menon SVG, Jain RP
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Theoretical Physics Division.
Annotation	Presents a resume of the work done in the Theoretical Physics Division during the calendar year 1984. The report is divided into two parts, namely, Nuclear Technology and Mathematical Physics. The topics covered are described by brief summaries.

0266

Title	Annual Progress Report for 1985 of Theoretical Physics Division. BARC-1313
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Presents a resume of the work done in the Theoretical Physics Division during the Calender year, 1985.The topics covered are (a)Physics Design of the MWE PHWR (b)Reactor Physics (c)Theoretical Physics Studies. The lists of research publications and Trombay colloquia organised are also appended.

0267

Title	Assesment of Radiological effect of the Indoor Radon and its Progeny. BARC-1432
Author	Ramachandran TV, Subbaramu MC, Mishra UC
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Pollution Monitoring Section.
Annotation	Study of risk due to breathing of indoor radon is briefly reviewed. Dose equivalent to the exposed tissue of the respiratory tract of the people living in dwellings are evaluated.

0268

Title	Bhabha Atomic Research Centre
Author	
Publisher	DAE
Place	Bombay
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Traces the beginning of BARC. Lists the facilities present and the areas of basic Research in Physics, Chemistry, Bio-chemistry, Biology, Agriculture, Food Preservation, Advanced Technologies Developed, Training and Manpower, Library and Information Services etc.

0269

Title	Bio-Organic Division Progress : 1984-1987. BARC-1392
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Desribes the activities of the Bio-Organic Division for the years 1984-87. The work of this inter disciplinary group of scientists is directed in the areas of phyto-chemistry, bio-synthesis and bio-transformation, plant bio-technology, synthesis of biologically active compounds, chemical ecology etc.

0270

Title	Boron Sorption Characteristics in Resins. BARC-1419
Author	Nathan U, Chhokera AR, Rao DP, Iyer CSP
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Physics Division and Analytical Chemistry Division.
Annotation	Describes the salient features of boron sorption characteristics on four types of anion exchange resins, based on experimental data generated in the chemical laboratories of Reactor Engineering Division.

0271

Title	BOXER3 : Three Dimensional Integral Transport Code for PHWR Supercell. BARC-1295
Author	Degweker S B
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Describes BOXER3. A three dimensional computer code for solving the integral transport equation. Comparisons of the results of BOXER3 and those obtained by other transport and diffusion codes in one two and three dimensional geometries are also presented.

0272

Title	Calculation of Damage Cross Section. BARC-1293
Author	Potti T, Dravid HK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Experimental Reactor Physics Section.
Annotation	Gives the damage cross-section for Iron and Carbon for elastic scattering, in elastic scattering and radiative capture of neutrons, claculated using a computer program DAMCROSS developed for the calculation of damage cross-section.

0273

Title	Calibration of Cellulose Nitrate Film for measurement of Time-integrated Concentration of Radon-222 in Air. BARC-1319
Author	Jha G, Raghavayya M
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Health Physics Division.
Annotation	Describes the use of a sensitive thin film of CN (Kodak LR 115, Type II) for quantitative estimation of 222Rn. Lists the advantages and limitations of the system for measurement of time-integrated concentration of 222Rn in air.

0274

Title	Calibration of High Dose Radiation Facilities. BARC-1303
Author	Gupta, BL and Bhat, RM
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Methods for determination of accuracy of high dose radiation facilities have been described.

0275

Title	Characteristics of Seismic Sources of some Asian Earthquakes and Soviet underground Explosions from Gauribidanur Array Records. BARC-1348
Author	Basu TK, Arora SK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section.
Annotation	Among 165 shallow-focus earthquakes which occurred over a 6 year period (1980-85)in 35 different Asian provinces, Gauribidanur Array (GBA)P-wave seismograms of all of them and PCP seismograms of 31 of them from 14 regions were processed to deduce temporal and spectral characteristics.

0276

Title	Chemical Methods for determination of Composition of Cryolite. BARC-1448
Author	Shivarudrappa V, Patil BN, Marathe SG, Jain HC
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Fuel Chemistry Division.
Annotation	Describes the details of the procedures and results of the chemical methods like PH-metric titration, etc. for the determination of composition of commercial cyrolite samples which is often used for the preparation of Uranium and Plutonium alloys containing Aluminium.

0277

Title	Chemistry Division Progress Report (1983 - 1984). BARC-1290
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by the Chemistry Division.
Annotation	Describes the detail procedures for the preparation of the pure product and the results of investigations on the use of Mono-Octylphenyl Phosphoric Acid as an extactant for Plutonium.

0278

Title	Chemistry and Biochemistry of Allitin - A Review. BARC-1308
Author	Banerji A
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Chemical Ecology Section, Bio-Organic Division.
Annotation	Therapeutic and culinary values of Garlic are well-known. Recently a new biological activity, viz., insecticidal activity, has been discovered. A convenient process for the large scale preparation of Allitin and related compounds was developed.

0279

Title	Chromatographic Assay of Degradation Products of Trobutyl Phosphate. BARC-1272
Author	Tripathi SC, Ramanujam A, Nadkarni MN
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Fuel Reprocessing Division, Chemistry Division and Biochemistry & Food Technology Div.
Annotation	Gas-liquid Chromatography (GLC) and Thin-layer chromatographic (TLC) procedure have been developed for the estimation of Monobutyl Phosphoric acid (H2MBP) and Dibutyl Phosphoric acid (HDBP) present in Tributyl Phosphate (TBP).

0280

Title	Circuit for Characterisation of Ferroelectrics. BARC-1278
Author	Gadkari SC, Sabharwal SC
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Technical Physics and Prototype Engineering Division.
Annotation	Describes a circuit developed, which, for the first time enables one to record simultaneously all the hysteresis parameters and domain switching times of ferro-electric materials with respect to the applied electric field or sample temprature

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0281

Title	COMESH - A Corner Mesh Finite difference Code to Solve Multigroup Diffusion Equations in Multi-dimensions. BARC-1367
Author	Jagannathan V, Kulkarni AK, Jain RP
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Analysis and Systems Division and Theoretical Physics Division.
Annotation	Code called COMESH based on Corner Mesh Finite Difference Scheme has been developed to solve Multigroup Diffusion Theory equations. One can solve 1-D, 2-D or 3-D problems in Cartesian geometry and 1-D (r) or 2-D (r-z) problems in Cyclindrical Geometry.

0282

Title	Compact Capacitor Discharge Nitrogen Laser. BARC-1311
Author	Rao ASP, Razvi MAN, Dixit MN
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	Pulsed "capacitor discharge" Nitrogen laser has been designed and fabricated. Laser employs 30 NF capacitors as "primary capacitors" and several 1200 PF ceramic capacitors all among the channel as secondary capacitors. Laser emission at 337NM having a puse width of 7NS gives a peak power of 400KW.

0283

Title	Computational Study of Yields and Spectra of a possible Low Energy (KEV) Neutron Calibration Source. BARC-1359
Author	Nagarajan PS, Sundaram VK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Division of Radiological Protection and Health Physics Division.
Annotation	Versions of MORSE-CG and ANISN-W codes available with us are validated and seem to be reliable. This conclusion is arrived at by running both the codes for the same physical problem, namely, that of obtaining neutron spectra. The incidental results are discussed in detail.

0284

Title	Computer Code for Drawing Three Dimensional Graphs, Maps and Histograms, in Single or Multiple Colours, for Mono or Stereoscopic Viewing. BARC-1369
Author	Jayaswal B
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Services Division.
Annotation	PLOT3D series of graphic codes (versions 1 to 5) have been developed for drawing three dimensional graphs, maps, histograms and simple layout diagrams on monochrome or colour raser graphic terminal and plotter.

0285

Title	Computer Programme in Basic Language for Computation of Spectrochemical Analytical Data. BARC-1344
Author	Rajachandrasekar R, Kulkarni PG, Joshi MV
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by PREFRE Plant, Tharapur.
Annotation	In order to speed up the spectrochemical computations of transforming optical density data into concentrations, a computer program has been devised in HI-BASIC language which can be used in HP-9845B desk top computer (Hewlett Packard, USA).

0286

Title	Computerised Model for the Calculation of the activity to Dose Conversion Factor for Radon daughter Inhalation in Dwellings. BARC-1317
Author	Muraleedharan TS, Ramachandran TV, Subbaramu MC
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Air Monitoring Section , Division of Radiological Protection.
Annotation	Describes the various parameters that are used to calculate the dose of high concentrations of airborne radon and its daughters to the lung. Typical calculations have been carried out to show that the conversion factor can vary by a factor of 5 depending on some typical input parameters.

0287

Title	Computerised Phonetic number system for the internal security of the Nation. BARC-1251
Author	Srivastava DN
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Control Division.
Annotation	Presents a phonetic number system of base 128 wherein the numerals have been divided by 8 vowel and 16 constant sounds present in all Indian scripts. It basically consists of 16 sets of octal numbers, and therefore fits very well in the computer binary logic.

0288

Title	Computerised output of Phonetic Codes in Devanagari Script by Dot-Matrix Printers. BARC-1358
Author	Somasundaram S, Suri MMK, Khatau R
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Health Physics Division.
Annotation	Describes the development of a computer software for converting hex-octal, alphanumeric and pure-alpha mode input in English into phonetic Devanagari characters, which can be printed through Dot-Matrix printers in 2 passes of print-head, along with English text in the same lines.

0289

Title	Continuous Process for Precipitation of Ammonium Di-uranate from Uranyl Solution. BARC-1422
Author	Siddiqui IA, Shah BV, Tadphale SH, Kumar SV
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Process Engineering and Systems Division.
Annotation	Development of a continuous reactor system for conversion of Uranium from the Purex tail-end to yellow cake using commercial Ammonia gas is discussed.The system has been designed to operate reliably and efficiently with minimum necessity operator-intervention.

0290

Title	Corrosion Inhibitors for Carbon Steel Surfaces in Contact with Fresh Water. BARC-1254
Author	Abubacker KM, Mehta CT, Pillai BP
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Water Chemistry Division.
Annotation	Technical evaluation of indigenously available proprietary formulations as well as some non-proprietary chemicals such as Phosphates, Silicates, etc., have been carried out, with a view, to find the best combination for use in cooling water systems of the heavy water projects.

0291

Title	Cryogenic Regenerators. BARC-1301
Author	Kush P, Joshi SC, Thirumaleshwar M
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Cryogenics Section of Technical Physics and Prototype Engineering Division.
Annotation	Importance of regenerators in cryogenic refrigerators is highlighted. Design aspects of regenerator are reviewed and the factors involved in the selection of regenerator material are enumerated.

0292

Title	D. C. Arc Emission Spectroscopic determination of Medium and Low Volatile Elements in U3O8 using a mixed carrier :AGCL + SRF2. BARC-1355
Author	Bhide MK, Vijaylaxmi, Bhandiwad R, Kumar M, Dalvi AGI, Sastry MD
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Radiochemistry division.
Annotation	Description of an Emission Spectrographic Method for the determination of impurities having wide range of volatilities developed using a carrier distillation techinque enabling simultaneous determination of refractory elements and other trace metals is given.

0293

Title	Database pertinent to Earthquake Design Basis. BARC-1420
Author	Sharma RD
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section.
Annotation	Deals with description of databases which pertain to earth quake design.

0294

Title	Depth of source from long period P-Waves. BARC-1338
Author	Roy F
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section.
Annotation	Short period (SP) seismograms are much better than long period (LP) seismograms to get the time resolution needed for the focal depth estimation. Such a study has been carried out in this report.

0295

Title	Design Studies of a Proton-Pion Hodoscope. BARC-1388
Author	Charagi SK, Gupta SK, Chaterjee A
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Analysis and Systems Division and Nuclear Physics Division.
Annotation	Details of a computer program to calculate efficiencies for different hodoscope geometries and numerical results for some specific cases are given. A method for reconstructing the full kinometrics of a reaction event from the position information of particle hits in the hodoscope is presented.

0296

Title	Design and Fabrication of a Czerny - Turner Monochromator - cum - Spectrograph. BARC-1362
Author	Murthy MVRK, Shukla RP, Bhattacharya SS, Krishnamurthy G
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	Design and fabrication of a Czerny-Turner monochromator cum spectrograph is described. Design of two unequal radii of curvature for collimating and focusing mirrors is chosen to eliminate the comatic aberration.

0297

Title	Detection of Depth Phase Onsets by Prediction Error Filtering of Synthetic Signals in presence of Additive Noise after Pre-filtering the Noise.
Author	Roy F
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section.
Annotation	Prediction error filtering has been found very useful for the identification of the depth phases corresponding to weak and shallow events.A parametric model based on Auto-Regressive (AR)method has been shown to be suitable to reduce the ambient seismic noise for improved applicability.

0298

Title	Determination of LA, CE, PR and ND in Carbon Steels by Optical Emission Spectroscopy (OES). BARC-1306
Author	Murthy PS, Marathe SM, Geetha R
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	A method is described for the determination of La, Ce, Pr and Nd in carbon steels by optical emission spectroscopy (OES). The method involves pre-concentration of the four rare earth Metals as fluorides in the presence of uttrium a carrier.

0299

Title	Determination of Ti, Cr, Ta and Cu in Niobium Oxide by X-Ray Fluorescence Method. BARC-1310
Author	Dixit RM, Deshpande SS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	An X-ray fluorescence method for the determination of Ti, Cr, Cu and Ta in Niobium oxide has been developed. The determination range is from 0.005 to 0.1% for Ti and Cr, 0.01 to 0.1% for Cu and 0.05 to 1% for Ta.

0300

Title	Determination of Trace Impurities in Mullite - A D C Arc Spectroscopic Method. BARC-1262
Author	Kamat MJ, Kaimal R, Malhotra SK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	D.C. Arc Spectrographic Method has been developed for the determination of Ca, Cr, Fe, Mn, Mg, Ni, Pb, Ti, and Zn in mullite in the range of 5-1000ppm. The average precision of the method in terms of the coefficient of variation of concentration is 7-11% for different impurities.

0301

Title	Determination of Trace level Rhenium in Copper Fly Ash A D C Arc Spectrographic Method. BARC-1403
Author	Kamat MJ, Kaimal R, Malhotra SK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division
Annotation	D.C. arc spectrographic method for the determination of trace amounts of Re in copper fly ash matrix has been developed. The samples and standards are mixed with Ga2O3, used as buffer in the ratio 1:1. A charge of 15mg is loaded in UCC 1991 graphite electrode and is excited in 10 A D.C. arc.

0302

Title	Determination of some Rare Earth elements in High Purity Y2O3, GD2O3 and DY2O3 by Inductively Coupled Plasma Atomic Emission Spectrometry. BARC-1430.
Author	Murty PS, Biswas SS, Nair VR
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	Method is described for the determination of four trace rare earth elements in High Purity Y2O3, GD2O3 and DY2O3 using inductively coupled plasma. Atomic Emission Spectroscopy (ICP-AES).

0303

Title	Development of CAMAC and FASTBUS Instrumentation. BARC-1394
Author	Venkateswaran A, Behere A, Ghodgaonkar MD, Bairi BR
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Electronics Division.
Annotation	Describes the work being done towards the Development of CAMAC and Fast Bus Instrumentation under the VII Five Year Plan Project Modernisation of Reactor Control Instrumentation and Development of CAMAC and FASTBUS Instrumentation. Also summarises the goals, objectives for the above.

0304

Title	Development of Optical Thin Film Technology for Laser and Synchrotron Radiation. BARC-1281
Author	Apparao KVSR, Bagchi TC, Sahoo NK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division and Multi-disciplinary Research Scheme.
Annotation	Di-electric multiayer optical thin film devices play an important role not only in the working of lasers but also in different front line research activities using high power lasers and high intensity synchrotron radiation sources.

0305

Title	Development of a Computer Code "CRACK" for Elastic and Elastoplastic Fracture Mechanics Analysis of 2-D Structures by Finite Element Technique.
Author	Dutta BK, Kakodkar A, Maiti SK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Engineering Division and Indian Institute of Technology , Bombay. BARC-1346
Annotation	Details; this characterisitic of finite element, implementation of this element in a code "CRACK", implementation of J-integral to compute stress intensity factor and solution of number of cases for elastic and elastoplastic fracture mechanic analysis.

0306

Title	Development of a Computer Program to Draw the Energy level of a Nuclide using Calcomp Plotter. BARC-1335
Author	Rattan SS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Radiochemistry Division.
Annotation	Computer program to develop the energy level diagram of a nuclide using calcomp plotter is described. In order to modify or to draw a new energy level diagram only the input data file requires to be changed. Example of input data file for data and programme listing are included in the report.

0307

Title	Development of a Method to Transfer Counting Data from Series-88 Multiparameter Canberra System to ND-560 Computer. BARC-1333
Author	Rattan SS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Radiochemistry Division.
Annotation	Method developed to transfer counting data from the SERIES-88 multi parameter CANBERRA system to ND-560 computer has been described. Computer program was developed in PRIME-450 computer to convert the data from BINAPRY format to digital format.

0308

Title	Development of a Thermoluminescent Personnel Monitoring System. BARC-1336
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Division of Radiological Protection.
Annotation	Discusses design considerations of TLD Badge for measurement of X and Beeta, Gama personnel exposures, a filter combination to compensate for energy dependence of the TLD disc and angular dependence of the badge.

0309

Title	Digital Recording System. BARC-1396
Author	Chandra AK, Deshpande SV, Iyer A, Vaidya UW
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor control Division.
Annotation	Digital Recording System to record values of 48 process parameters developed and described in this report is more than a replacement for recorders; it offers substantial advantages in terms of lower overall system cost, excellent time resolution, accurate data etc. for correlated signals.

0310

Title	Direct Reading On-line Flowrate Meter for use in Radiochemical Plant. BARC-1387
Author	Shah BV, Kaimal KR, Siddiqui IA, Kumar SV
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reprocessing Group.
Annotation	Background and various stages of development of the device for measurement and remote direct reading display of the flow rates of streams in a radio-chemical plant is described. Operating data is tabulated and parameters required for plant applications are indicated in detail.

0311

Title	Earthquake problem in Engineering Design : Generating Earthquake Design basis information. BARC-1383
Author	Sharma RD
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section.
Annotation	Designing earthquake resistant structures requires certain design inputs. The extent to which the accepted procedures of assessing seismic risk in the region and generating the design inputs have been adhered to determines to a great extent the safety of the structures against fracture earthquakes.

0312

Title	Earthquakes from Peninsular India : Data from the Gauribidanur Seismic Array for the period January - December 1986. BARC-1385
Author	Gangrade BK, Prasad AGV, Sharma RD
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section.
Annotation	Arrival times of the P and S wave signals recorded at the Gauribidanur Array from earthquake in peninsular India for the period January-December 86 have been used to estimate their locations, magnitudes and origin times.

0313

Title	Earthquakes from Peninsular India Data from the Gauribidanur Seismic Array. BARC-1347
Author	Gangrade BK, Prasad AGV, Sharma RD
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section.
Annotation	Arrival times of the P and S wave signals recorded at the Gauribidanur Seismic Array from earthquakes in the neighbouring areas in peninsular India have been analysed to estimate their locations (latitudes and longitudes of the epicentre), magnitudes and origin times.

0314

Title	Effect of Nitrate, Nitrite and Manganese Dioxide in the Waste on the Thermal Stability of Bituminised Intermediate level Waste Product. BARC-1414
Author	Yeotikar RG, Kaushik CP, Sonavane MS, Raj K, Samuel MT
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Waste Management Division
Annotation	This work was intended to study the thermal behaviour of the bitumin products containing Nitrate, Nitrite and other oxidising chemicals.These products were studied for thermal stability using Differential Thermal Analyser (DTA).

0315

Title	Energy levels, Isotope Shifts, Hyperfine Structures, Lifetimes, Transition Probabilities and other Spectroscopic parameters of Natural Uranium Atom.
Author	Ahmad SA, Pushpa MR, Jagatap BN
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division and MRDS (Physics group).
Annotation	Energy levels of natural Uranium Atom, derived from both classical and Laser Spectroscopy, are presented along with the electronic configurations, Isotope shifts, G-values and lifetime for some of these levels, wherever known.

0316

Title	Enhancement in Capabilities of Computer Code "CRACK"and Case Studies. BARC-1399
Author	Dutta BK, Kakodkar A, Maiti SK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Engineering Division and Indian Institute of Technology, Bombay.
Annotation	Details of a computer code "CRACK" was reported earlier through a BARC external report No.BARC-1346(1986). The code is capable of fracture mechanics analysis of 2-D bodies. The capabilities are now enhanced by adding crack-tip elements & different methods of computing stress intensity factor.

0317

Title	Environment Induced Cracking of Zircaloy - 2 Fuel Cladding Tube. BARC-1276
Author	Ghosal SK, De PK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Metallurgy Division.
Annotation	Influence of Iodine vapour on the Stress Corrosion Cracking (SCC) behaviour of ziroaloy-2 fuel cladding tubes has been studied. Results of SCC tests have been carried out by internal pressurisation technique in the temp. range of 300-400 degree cent., with applied stress varying from 16-37 log/mm2.

0318

Title	Evaluation of Hypocentral Instability due to Random arrival Time Errors in a typical Data Set of Koyna Earthquakes. BARC-1441
Author	Arora SK, Krishnan CA
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section (Physics Group).
Annotation	Deals with the attempt made to examine qualitatively the hypocentral stability of local earthquake sources in a typical data set of one year period (1974) under the influence of random errors in the observed arrival times of P and S waves to assess Reservoir Induced Seismicity (RIS) of Koyna.

0319

Title	Evaluation of the performance of Spectraspan V Direct Current Plasma Atomic Emission Spectrometer. BARC-1375
Author	Iyer RK, Krishnamoorthy KR, Ramanamurthi M
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Analytical Chemistry Division.
Annotation	Results of a study in the Integrated Environment Programme on Heavy Metals for the determination of ten trace elements in environment samples.

0320

Title	External Radiation Monitoring in Raps Environs using TLDS (1982-1987). BARC-1446
Author	Basu AS, Garg RP, Nambi KSV
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Health Physics Division.
Annotation	Environmental radiation monitoring results for RAPS site for the period 1982-87 is presented. Salient results like the distribution of quarterly and annual rates of exposure in most of the places are unimodal on a log normal plot , etc. are also described.

0321

Title	External Radiation Monitoring in Taps Environs using TLDS (1982-'87). BARC-1428
Author	Basu AS, Bhat IS, Venkatesan S, Nambi KSV
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Health Physics Division.
Annotation	Presents environmental monitoring results for the six year period1982-'1987 on nuclear facilities that have been added at the TAPS complex.

0322

Title	Facility for Vacuum Impregnation of Superconducting Magnets. BARC-1315
Author	Kush P, Banerjee A, Ramachandran CK, Bapna SC, Thirumaleshwar M
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Cyrogenics Section, Technical Physics and Prototype Engineering Division.
Annotation	Facility for vacuum impregnation is developed specifically for the construction of superconducting magnets. Various methods of impregnation for superconducting magnet are described. Performance of the facility is shown in the photographs of test coils with and without impregnation.

0323

Title	Failure Investigation of Stem of Valve Disc in Reactor Recirculation System of Taps Unit-1. BARC-1328
Author	Ramadasan E, Bahl JK, Sivaramakrishnan KS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Radio-metallurgy Division.
Annotation	Failure analysis was carried out of a failed 17-4 PH stainless steel stem of the valve disc in reactor recirculation system of Unit-1 of Tarapur Atomic Power Station. Recommendations have been made to avoid such failures.

0324

Title	Fault Tolerant, Micromputer based Alarm Ennunciator for Dhruva Reactor. BARC-1405
Author	Chandra AK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Control Division.
Annotation	Dhruva Alarm Annunciator describes the system features, fault tolerant organisation used and the hardware and software developed for the annunciation function.

0325

Title	FEMSYN - Code System to Solve Multigroup Diffusion Theory Equations using a variety of Solution Techniques. Part 1 : Description of Code System.
Author	Jagannathan V
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Theoretical Physics Division. BARC-1265
Annotation	Modular computer code system called FEMSYN has been developed to solve the multigroup diffusion theory equations. The code FEMSYN has been used to solve a wide variety of reactor core problems. It can be used for both LWR and PHWR applications.

0326

Title	FEMSYN - Code System to Solve Multigroup Diffusion Theory Equations using a variety of Solution Techniques. Part 2 : Finite Difference Module.
Author	Jagannathan V
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Theoretical Physics Division. BARC-1266
Annotation	Code called DIFXYZ has been developed for the finite difference solution of diffusion theory equations in 1-D, 2-D and 3-D Cartesian Geometry.

0327

Title	FEMSYN - Code System to Solve Multigroup Diffusion Theory Equations using a variety of Solution Techniques. Part 3 : Finite Element Module.
Author	Jagannathan V
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Theoretical Physics Division. BARC-1267
Annotation	For the solution of multigroup Diffusion Theory equations by Finite Element Method (FEM) a code called FINERC has been developed and described. One can solve 1-D, 2-D and 3-D problems in cartesian geometry and 1-D(r-1) and 2-D(r-z) problems in cylindrical geometry.

0328

Title	FEMSYN - Code System to Solve Multigroup Diffusion Theory Equations using a variety of Solution Techniques. Part 4: The Systhesis Module. BARC-1268
Author	Jagannathan V
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Theoretical Physics Division.
Annotation	Detailed description of synthesis module SYNTHD is given here. For solving the Multigroup Diffusion Theory equations in 3-D problems in which material properties are uniform in large segments if axial direction, synthesis method is known to give fairly accurate results at very low computational cost

0329

Title	Flora of Trombay. BARC-1279
Author	Abraham V
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Nuclear Agriculture Division.
Annotation	Natural vegetation comprising deciduous and semi-deciduous stress on the hills and slopes, annual weed flora in the open areas and mangroves and halophysics confined to the creeks in the campus of Bhabha Atomic Research Centre is described

0330

Title	Forty Years of Atomic Energy in India
Author	
Publisher	DAE
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Lists the establishments under Department Of Atomic Energy, its public sector undertakings and the milestones in Indian Atomic Energy programme. Also given is the organisational chart of Atomic Energy Work in India.

0331

Title	Fuel Development Chemistry. BARC-1436
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Progress Report for 1985 by Fuel Chemistry Division.
Annotation	Summarises the work by the staff of Fuel Chemistry Division in the field of fuel development and its chemical quality control, fuel behaviour and post irradiation examinations, chemistry of reprocessing & waste management processes as also the basic aspect of antinide & relevant product elements.

0332

Title	GC-MS determination of Thiodiglycolic Acid, A Urine Metabolite of Vinyl Chloride in Man. BARC-1339
Author	Panajkar MS, Kunjappu JT, Rao KN, Gadgil ML
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Chemistry Division and National Organic Chemical Industries Ltd., Thane.
Annotation	Describes a GC-MS determination procedure of the Metabolite Thiodiglycolic Acid using single Ion monitoring technique. This has been found to be a very sensitive method for the determination of trace levels (<5ppm in air) of VC absorbed in human system.

0333

Title	Galvanic Corrosion of AL and AL in 57s in De-mineralised Water. BARC-1395
Author	Chouthai SS, Shibad PR, Gadiyar HS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Metallurgy Division.
Annotation	Describes experiments conducted on Al-1S and Al-57S to investigate the effect of galvanic coupling between the two on the corrosion rates, on exposure to de-mineralised water at room temperature. The results indicated that such galvanic effects were not observed.

0334

Title	Gas Recovery System for Carbon Dioxide Lasers. BARC 1425
Author	Tripathi AK, Gupta NM, Annaji Rao K, Iyer RM, Chatterjee UK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Chemistry Division and Laser Division
Annotation	Summarises the work carried out in chemistry division during 1986 - 87 on the development of a suitable catalytic recombination system for incorporation in Carbon Dioxide lasers.

0335

Title	Gold estimation in Geological Samples using Energy Dispersive X-Ray Fluorescence Spectroscopy. BARC-1404
Author	Sawhney KJS, Lodha GS, Bhat CK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Nuclear Research Laboratory.
Annotation	Gold concentration in Indus River sediments have been estimated using energy dispersive X-ray Fluorescence (EDXRF) spectrometry. To get the best possible detection sensitivity, optimisation of sample preparation procedure and exciting radiation was done.

0336

Title	Growth and Characterisation of LiNbO3 crystals. BARC-1280
Author	Sangeeta, Rajpurkar MK, Kothiyal GP
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Technical Physics and Prototype Engineering Division.
Annotation	Single Crystals of LiNbO, having maximum dimensions of 20mm 0 and 12mm length have been grown along <104> direction from melt using Czochralski techinque. Some problems in the growth of the crystals have been identified and discussed.

0337

Title	Gulmarg Gamma-Ray Telescope. BARC-1418
Author	Koul R, Bhat CL, Tickoo AK, Kaul IK, Qazi RA, Kaul RK, Rawat HS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Nuclear Research Laboratory, Srinagar.
Annotation	Outlines the physics underlying the Cerenkov detection technique and discusses the instrumentation details of the Gulmarg Telescope, functioning at Gulmarg, to study cosmic gamma-ray sources at photon energies, with particular emphasis on its drive systems.

0338

Title	Gulmarg estimate of Pev Photon Flux from Cygnus X-3 and its relevance. BARC-1309
Author	Bhat CL, Sapru ML, Razdan H
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Nuclear Research Laboratory, Srinagar.
Annotation	An analysis of atmospheric Cerenkov pulses recorded during January 1976-December 1977, by a wide angle photomultiplier system at Gulmarg (India) has been done and it reveals a phase-dependent component exhibiting the characterisitic Cygnus X-3 modulation period of 4. 8h.

0339

Title	Hydrogen Diffusion in Tantalum. BARC-1379
Author	Anand MS, Pruthi DD
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Chemistry division.
Annotation	Using resistivity technique, the diffusion of Hydrogen in Tantalum has been studied in the temperature range of 298-373 K.

0340

Title	Identificatipon of Depth Phase Onsets from some Presumed underground explosion signals using prediction error filtering. BARC-1340
Author	Roy F
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section.
Annotation	Presents the applicability study of the prediction error filtering for the identification of depth phases corresponding to some presumed underground explosions in USSR region.

0341

Title	Importance Biasing for 1-D Deep-penetration problem by Monte Carlo. BARC-1427
Author	Gupta HC, Dwivedi SR
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Theoretical Physics Division and Reactor Analysis and Systems Division.
Annotation	Using the Integral equations for the first and second moments of the "total score" in an analogue and non-analogue simulation zero-variance biasing schemes which have been obtained for all the commonly used reaction rate estimators are discussed.

0342

Title	Ion Exchange Resins for Water Purification : Properties and Characterisation. BARC-1364
Author	Gokhale AS, Mathur PK, Venkateswarlu KS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Water Chemistry Division.
Annotation	Characteristics and properties of Ion exchange resins used for purifying water are discussed here.

0343

Title	Isolation, Biosynthesis and Biological activity of Alkaloids of Tylophora Asthmatica, A versatile Medicinal Plant. BARC-1360
Author	Mulchandani NB
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Bio-Organic Division.
Annotation	At the Bio-Organic Division, Inter disciplinary work related to some selected plants like Tylophora Asthmatica, Pergularia Pallida and Ficus Hispida have been actively pursued and as a result significant findings have been made are described.

0344

Title	Knudsen Effusion Apparatus for High Temperature Vaporization Studies. BARC-1343
Author	Kerkar AS, Chandrasekharajah MS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Water Chemistry Division.
Annotation	Knudsen Effusion Apparatus is described. Gives its usage for high temperature vaporisation studies.

0345

Title	Laboratory Investigations on Recovery of Wolframite from Low Grade Granite-Type Ore from Degana, Rajasthan. BARC-1408
Author	Shukla SK, Rao MM, Subrahmanyam NP, Iyer NV, Rao NK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Ore Dressing Section.
Annotation	Based on results of a number of beneficiation tests, a flowsheet is suggested fur large scale testing. The flowsheet involves preconcentration by WHIMS, flotation of Mica followed by gravity beneficiation of flotation sink.

0346

Title	Laser Processing of Metals and Alloys. BARC-1431
Author	Goswami GL, Dilip K, Roy PR
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Radio-metallurgy Division.
Annotation	Reviews the status of laser processing of metals & alloys emphasising its metallurgical aspects and deals with the different laser processes like welding, cutting, drilling & surface treatment highlighting the types & choice laser & its interaction with metals & applications of the processes.

0347

Title	Liquid Metal MHD Generator Systems. BARC-1291
Author	Satyamurthy P, Dixit NS, Venkatramani N, Rohatgi VK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Plasma Physics Division.
Annotation	Gives the current status and economic viability of LMMHD generators coupled to solar collectors, fast breeder reactors, low grade heat sources and conventional high grade heat sources.

0348

Title	Low Incremental Control Worth Reload Patterns for BWRS. BARC-1288
Author	Burte DP, and Vaidya SG
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Analysis and Systems Division.
Annotation	New scheme for constructing re-load patterns for BWR cores has been developed. This scheme is obtained essentially by rotating the axes of reflective symmetry of re-load pattern through 45 degree.

0349

Title	Manual of Dose Evaluation from Atmospheric Releases. BARC-1412
Author	Hukkoo RK, Bapat VN, Shirvaikar VV
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Health Physics Division.
Annotation	Present manual is a revised version of the "Manual of Dose Evaluation from Atmospheric Releases", which has been extensively used in the past by workers in the field of radiation protection at the Indian nuclear installations.

0350

Title	Measurement and Analysis of Alpha Induced Reaction in TA, AG and CO. BARC-1366
Author	Ismail M, Divatia AS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Variable Energy Cyclotran Centre, Calcutta.
Annotation	Excitation functions for the reaction 181Ta, 181-x Re, 107, 109Ag and 59 Co were obtained from measurements of residual activity of stacked foils from thresold to 60 Mev. The extraction functions for the production of 181 Re, 182 Re, 184 Re, 105 Ag, 111 In, 56 Cc, 58 Co, and 60 co are presented.

0351

Title	Method for Purification and Estimation of Milligram amounts of Thorium- 229 from Bulk Uranium-233. BARC-1370
Author	Ramaswami A, Singh RJ, Rattan SS, Satyaprakash
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Radio-chemistry Division.
Annotation	Method for the purification and estimation of milligram amount of Thorium from bulk Uranium has been described. Preliminary separation is carried out by absorbing Thorium 4 charged species on cation exchanger.

0352

Title	Method of Surface Area Measurement of Fuel Materials by Fission Gas Release at Low Temperature. BARC-1450
Author	Kaimal KNG, Naik MC, Paul AR, Venkateswaralu KS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Water Chemistry Division.
Annotation	Deals with the development of BET method for surface area measurement of Nuclear Fuel and Fissile doped materials by fission gas release study at low temperature. Also the fabrication of an ampoule breaker unit for each such study has been described. Relation between K and A has been established.

0353

Title	Methods and Measurements of Indoor levels of Radon and its Daughter Products. BARC-1390
Author	Subbaramu MC, Muraleedharan TS, Ramachandran TV, Shaikh GN
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Pollution Monitoring Section.
Annotation	General population is exposed, sometimes, to enhanced levels of radon (Rn) and its progeny concentrations in the indoor environment of dwellings, depending on various parameters like type of construction, location and ventilation features of the dwelling as well as on the occupancy factor.

0354

Title	Microprocessor based Signal Averager for Waveform Recovery. BARC-1292
Author	Adhikari JS, Rao MKV
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Technical Physics and Prototype Engineering Division.
Annotation	Describes in detail the design aspects of a microprocessor based signal averager, constructed for the recovery of a repetetive signal waveform burried in noise.

0355

Title	Migration of Cerium Mixed (TH, CE) Oxides under Temperature Gradient. BARC-1386
Author	Paul AR, Naik MC, Venkateswarlu KS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Water Chemistry Division.
Annotation	Thermo-migration of Cerium has been studied in high density sintered pellets of ThO2 which were subjected to a temperature gradient between 1700 and 2300 K. Concentration redistribution of Cerium after thermal treatment in the temperature gradient determined have been analysed and discussed.

0356

Title	Mono-Octylphenyl Phosphoric Acid (MOPPA) as an Extractant for Plutonium. BARC-1380
Author	Mithapara PD, Shivarudrappa V, Marathe SG, Jain HC
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Fuel Chemistry Division.
Annotation	Describes the detailed procedure for the preparation of the pure product and the results of investigations on its use as an extractant for Plutonium.

0357

Title	Multiple Source Exposure Technique : A New Method in Industrial Radiography. BARC-1986
Author	Chandrachoodan PP, Sunderasan M
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Central Workshops and Analytical Chemistry Division.
Annotation	Presents an original concept and detailed modalities of a new latitude technique that can be used in radiographic examination which provides good radiographic sensitivity.

0358

Title	Neutron Radiative capture cross section of 232th in the Energy Range 0. 1 to 1. 2 Mev. BARC-1353
Author	Jain HM, Kailas S
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Experimental Reactor Physics Section and Nuclear Physics Division.
Annotation	Recently reported Neutron Radiative capture cross section of Th-232 measurements in the energy range 0. 1 to 1. 2 MeV are compared with the calculations based on the statistical model transmission coefficients and fermigas level density formula.

0359

Title	New Approach to the Digitization of Low Current. BARC-1409
Author	Vora HS, Das TN, Kumbhare MN
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Nuclear Research Laboratory, Srinagar.
Annotation	Detail operation of a new current digitizer circuit is described, with its direct but simple approach. The accuracy of measurement of low DC has been improved. At an input current of 30 nA, the standard deviation was 0. 07% of the mean

0360

Title	Nuclear Design Report Tharapur 7x7 Reload - 3 Fuel. BARC-1258
Author	Jagannathan V, Mohanakrishnan P, Srinivasan KR, Kumar V, Srivenkatesan R
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Gives the nuclear design characterisitics of the 7x7 fuel assembly. The corresponding nuclear parameters of the existing 6x6 reload-2 assembly are also included in this report for ready reference and inter-comparison.

0361

Title	Nuclear India (Special Issue on Antarctica: Continent of Hidden Wealth)
Author	Dr. Joshi LU, Dr. Qasim SZ and Dr. Abidi SHA
Publisher	DAE
Place	Bombay
Type	Journal
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1982
Notes	
Annotation	Discusses the geography, living and mineral resources, environment & climate of Antarctica; research by Scientific Expeditions to the Continent.

0362

Title	Nuclear India (Special issue on Manganese Nodules from the deep Sea)
Author	Joshi LU and Qasim SZ
Publisher	DAE
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1981
Notes	
Annotation	Discusses the question related to distribution of polymetallic nodules on the deep sea bed, their exploration, mining & economic importance etc.

0363

Title	Optical Emission Spectrographic Analysis of Lutetium Oxide for Rare Earth Impurities. BARC-1329
Author	Chandola LC, Dixit VS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	An optical emission spctrographic (OES) method has been developed for the analysis of high purity Lutetium oxide to determine rare earths Er, Tm, Yb and Y.

0364

Title	Optical Emission Spectrographic Analysis of Thulium Oxide for Rare Earth Impurities. BARC 1426
Author	Chandola LC, Khanna PP, Dixit VS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	Optical emission spectrographic method which has been developed for the analysis of high purity Thulium Oxide to determine rare earth elements Er, Lu, Yb has been described.

0365

Title	Organ Burdens and Elimination Rates of Inhaled Thorium and Plutonium. BARC-1312
Author	Unnikrishnan K, Murthy KBS, Sunta CM
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Health Physics Division.
Annotation	For the purpose of interpreting observations from internal monitoring programmes, organ burdens and excretion rates resulting from inhalation of long-lived isotopes of Plutonium and Thorium have been calculated, on the basis of the ICRP model.

0366

Title	Organ Burdens and Excretion rates of Inhaled Uranium - Computations using ICRP Model. BARC-1435
Author	Abani MC, Murthy KBS, Sunta CM
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Health Physics Division.
Annotation	Computer programme developed to find out organ burden and excretion rates resulting from exposure to a radio active nuclide has been discussed. ICRP - 30 lung model has been used and cases of single instantaneous inhalation of 1 ALI as well as inhalation at steady rate of ALI/365 is considered.

0367

Title	Output formatting in Apple-Soft Basic. BARC-1374
Author	Navale NS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Ore Dressing Section, Materials Group.
Annotation	A general purpose and easily transportable sub-routine in Applesoft BASIC is presented here for handling output formatting in user-defined structure. Sub-routine is nearly as powerful as the FORMAT statement in FORTRAN. It can also be used in other versions of BASIC with very little modification.

0368

Title	Permanent Phonetic Identification Code for Radiation Workers. BARC-1357
Author	Khatua R, Somasundaram S, Srivastava DN
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Health Physics Division and Electronics Systems Section.
Annotation	Describes a system of self-checking short and easily memorable 4-digit Permanent Phonetic Radiation Code (PPRC) using Cadix 128 for Indians occupationally exposed to radiation, to facilitate entry of all radiation dose data pertaining to an individual in a single record of a file.

0369

Title	Personal Computer Program for Radiological Impact Evaluation after Accidents. BARC-1401
Author	Shirvaikar VV
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Health Physics Division.
Annotation	BASIC language computer program from IBM-PC has been developed to give the exposures, ground contamination, external and internal doses following a release of radio-nuclides to the atmosphere.

0370

Title	Phantom-cemesh Code System for PHWR Design Computations. BARC-1444
Author	Jagannathan V, Krishnani PD, Jain RP, Vinod K, Gupta HC
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Analysis and Systems Division and Theorietical Physics Division.
Annotation	Diffusion interative scheme has been evolved to analyse the basic 3-D super cell problem encountered in PHWRs. The accuracy of the new scheme is demonstrated against the corresponding transport solutions in both 1-D and 3-D.

0371

Title	Piping Data Retrieval System (PDRS). BARC-1330
Author	Vyas KN, Sharma A, Susandhi R, Basu S
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	An Integrated Package to aid Piping Layout, prepared by Reactor Projects Division.
Annotation	Discusses the general capabilities and the major input requirements for an integrated package to aid pipeline layout has been developed and implemented on PDP-11/34 System at Hall 7.

0372

Title	Plot 3D ; Multipurpose, interactive program for plotting three dimensional graphs. BARC-1274
Author	Jayaswal B
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Services Division.
Annotation	PLOT-3D is a general purpose, interactive, three dimensional display and plotter program. The program accepts data from an external file or generates them through built-in functions.

0373

Title	Pool Type liquid Helium Cryopump. BARC-1305
Author	Ramachandran CK, Bapna SC, Thirumaleshwar M
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Cryogenics Section of Technical Physics and Prototype Engineering Division.
Annotation	Design and fabrication details of a Pool type Liquid Helium Cryopump are described. It has got a liquid helium capacity of 5 litres and a pumping surface area of about 450 sq. cms.

0374

Title	Preparation of Mercury Cadmium Telluride, An Infrared Detector Material. BARC-1283
Author	Sahoo D, Srikantiah RV
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Technical Physics and Prototype Engineering Division.
Annotation	Preparation of Mercury Telluride (Hg1-xCdxTe) from its constituent elements for infrared detection in the 8-14pm range given. Problems associated with preparation of infrared quality HgCdTe crystal are discussed.

0375

Title	Probabilistic Safety Assesment of Narora Atomic Power Project. BARC-1445
Author	Babar AK, Saraf RK, Kakodkar A, Sanyasi Rao VVS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Engineering Division and Health Physics Division
Annotation	Probabilistic safety assesment (PSA) level I results of standardised 235 MWe PHWR under construction at Narora are presented herein. Results of various safety studies on Pressurised Water and Boiling Water reactors are dealt with.

0376

Title	Process for production of High Purity Silver Metal from Silver Chloride Bearing Analytical Residue. BARC-1371
Author	Biswas SP, Mukherjee TK, Gupta CK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Metallurgy Division.
Annotation	Production process of silver metal having a high purity value has been described. Silver Chloride containing analytical residue is used for the Production.

0377

Title	Production of Elemental Phosphorus from Low Grade Jhabua Rock Phosphate - A Technical Assesment. BARC-1277
Author	Kanvinde VY, Singh M, Chandra K
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Chemical Engineering Division.
Annotation	Method of production of elemental Phosphorus by low grade Jhabua Rock Phosphate containing high Silicous impurities (>25% S102) which has been successfully used in Phosphorus Plant at Trombay is described.

0378

Title	Programming a Microcomputer for Online Data Aquisition and Processing in Pulse Radiolysis Experiments : Kinetic Parameters. BARC-1410
Author	Panajkar MS, Moorthy PN, Shirke ND
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Chemistry Division and Computer Division.
Annotation	Describes how an IBM compatible Personal Computer has been interfaced to acquire the data from a digital storage Oscillope and process these to compute the kinetic parameters by a linear least square fit procedure.

0379

Title	Progress Report for (1974 - 1984) Nuclear Research Laboratory, Srinagar, Kashmir. BARC-1270
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Gives the highlights of the various research programmes undertaken at Nuclear Research Laboratory, during the period 1974-1984. A list of papers published in various journals and presented at different conferences/symposia is given at the end.

0380

Title	Progress Report for 1978 - 87 of the Food Technology and Enzume Engineering Division. BARC-1411
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Summarizes the salient features of the research activities carried out in this Division covering the major research activities of Food Technology & Enzyme Engineering Division.

0381

Title	Progress Report on Nuclear Data Activities in India from July 1984 to December 1985. BARC-1297
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Nuclear Physics Division.
Annotation	Present progress report on Nuclear Data Activities in India is the 4th in the current new series of progress reports. It contains information about Nuclear data measurements, compilations, evaluations and other related works being carried out at BARC, Bombay and RRC, Kalpakkam.

0382

Title	Progress Report on Nuclear Data activities in India for the period from January 1986 to June 1987. BARC-1377
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Compiled by Nuclear Physics Division.
Annotation	Contains information about measurements, evaluations, compilations and processing of Nuclear data and other related works being carried out mainly at B. A. R. C. , Bombay and I. G. C. A. R. , Kalpakkam, the two Nuclear and Reactor Research Centres in the country.

0383

Title	Pulsed Power sources based on MHD Generators. BARC-1322
Author	Das AK, Venkatramani N, Rohatgi VK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Plasma Physics Division.
Annotation	Reviews the development of Magneto-Hydrodynamic (MHD) power systems for pulsed power applications. The major critical components, which are analysed in detail, include the combustor, high energy fuel development etc.

0384

Title	Query System for Scientific and Commercial Databases in Norsk - Data Computer. BARC-1320
Author	Thomaskutty T
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Computer Division.
Annotation	Query system is an important part of Data Base Management System. User can interact with Database using Query System without developing application program UNIQUE is a Query System for Commercial Databases in Norsk Data Computer.

0385

Title	Radiation Enhanced Self Diffusion in Silver. BARC-1294
Author	Pruthi DD and Anand M S
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Chemistry Division.
Annotation	Radiation enhanced self diffusion in silver has been studied at room temperature as a function of defect production rate J. Results show that the main mechanisms of annihilation of point defects is by mutual recombination rather than migration to fixed sinks.

0386

Title	Radiochemistry Division Annual Progress Report : 1986. BARC-1423
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Radiochemistry Division.
Annotation	Some of the highlights of the annual progress report of Radio Chemistry Division for the year of 1986 which include solvent extraction studies on U (VI) and trivalent Am, Cm, Cf, low energy and medium energy fission of Actinides, etc. are discussed.

0387

Title	Radiochemistry Division Triennial Progress Report : 1983 - 1985. BARC-1381
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Present report includes contributions of staff members who continued to work in the Radiochemistry Division. It includes contributions pertaining to the study of Nuclear and chemical properties of Actinides.

0388

Title	Radiolytic Generation of Gases in Reactors. BARC-1438
Author	Ramshesh V, Venkateswarlu KS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Water Chemistry Division.
Annotation	Analyses in depth the radiolytic generation of gases like Hydrogen, Hydrogen Peroxide, Oxygen in reactor systems.

0389

Title	Radiosensitization of Hypoxic Bacterial Cells and Animal Tumors by Membrane active Drugs and Hyperthermia. BARC-1382
Author	Singh BB, Srinivasan VT, Shenoy MA, George KC, Maniar HS, Rawat KP
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Molecular Biology and Agriculture Division.
Annotation	Present report gives a description of radio sensitization of hypoxic bacterial cells and animal tumors by Membrane active Drugs and Hyperthermia treatment.

0390

Title	Rayleigh - Taylor instability in inertial Confinement Fusion. BARC-1372
Author	Gupta NK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Theoretical Physics Division.
Annotation	Summarises the main results of our theoretical analysis on the problem of Rayleigh - Taylor instability in Inertial Confinement Fusion (ICF). Work presented essentially covers four basic problems.

0391

Title	Reactor Physics Computer Code Development for Neutronic Design, Fuel-Management, reactor Operation and Safety Analysis of PHWRS. BARC-1442
Author	Rastogi BP
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Theoretical Physics Division.
Annotation	Discusses various reactor physics codes developed for Neutronic design, Fuel Management, Reactor Operation and Safety Analysis of PHWRs. These code packages have been utilised for Nuclear design of 500 MWe and new 235 MWe PHWRs.

0392

Title	Remote Controlled Motor Drive for Hanging Mercury Drop Electrode. BARC-1363
Author	Sathaye NS, Kishore K, Moorthy PN
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Chemistry Division.
Annotation	Construction and working of a motor drive and control unit for making reproducible Mercury drops of desired size and breaking them off a Hanging Mercury Drop Electrode (HMDE) are described. The unit HMDE is a standard accessory in all commerical voltammetric instruction.

0393

Title	Report of Nuclear Physics Division January 1, 1984 to December 31, 1984. BARC-1282
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Covers the research and development activities of the Nuclear Physics Division for the Calender year 1984. These activities span areas of research both in Nuclear Physics and Solid State Physics.

0394

Title	Report of the Nuclear Physics Division January 1, 1985 to December 31, 1985. BARC-1327
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Covers the Research and Development activities of the Division for the calender year 1985.

0395

Title	Report of the Nuclear Physics Division. BARC-1417
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Nuclear Physics Division.
Annotation	Describes the Research being carried out by the Nuclear Physics Division in the field of Nuclear and Solid State Physics.

0396

Title	Report on R & D activities of Air Monitoring Section. BARC-1257
Author	Mishra UC, Sadasivan S
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Division of Radiological Protection.
Annotation	Presents in brief the programme of work in the field of Atmospheric, Biospheric Radioactivity etc. of the Air Monitoring Section, Divison of Radio-logical Protection, during the years 1979-84.

0397

Title	Report on R & D activities of Health Physics Division. BARC-1321
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Compiled by Health Physics Division.
Annotation	Reviews the Research and Development activities of the Health Physics Division.

0398

Title	Research and Development activities of the Seismology Section. BARC-1350
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	This is for the period of January 1984 - December 1985.
Annotation	As part of the ongoing Forensic Seismology, the R&D activity was directed towards both instrumental development as well as methods of analysis of the field data. Identification of underground explosion for the period of 1984-85 has been detected and presented here.

0399

Title	Research and Development activities of the Seismology Section. BARC-1429
Author	Basu TK, Murty GS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section (Physics Groups).
Annotation	Summarises the R & D in Seismology during the period from January 1986 to December 1987. Major topics of current study are (1) Forensic Seismology, (2) Seismicity and Seismic risk estimates, (3) Reservoir ind.

0400

Title	Results of Radioactive Fallout Measurements in India during May - June, 1986. BARC-1316
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Division of Radiological Protection and Health Physics Division.
Annotation	Radioactive fallout from the reactor accident on 26th April, 1986 at Chernobyl in USSR was detected at Indian monitoring stations from around the middle of May. The observed and estimated radiation doses were all very low as compared to natural background and did not pose any health hazard.

0401

Title	Rockburst Seismic Data Acquisition System at Kolar Gold Fields. BARC-1393
Author	Kolvankar VG, Nadre VN, Shivkumar C
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section.
Annotation	Recording system was developed to record only the detected portions of the continuously monitored data in interrupt mode and it was operated in parallel with the existing system. Discusses the details of interrupt mode recording system.

0402

Title	Seeded Inert Gas driven Disk Generator. BARC-1391
Author	Joshi NK, Venkatramani N, Rohatgi VK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Plasma Physics Division.
Annotation	Outlines the present status of work being carried out in closed cycle MHD and disk generators. It gives the basic principles and discusses a proposal for setting up an experimental facility to study nonequilibrium plasmas using an inert gas driven disk generator.

0403

Title	Seismic Analysis of 500 MWE pressurised Heavy Water Reactor building under Horizontal and Vertical Ground Motion. BARC-1345
Author	Soni RS, Ramireddy G, Kushwaha HS, Kakodkar A, Karandikar GV, Pain MR
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Engineering Division and 500 MWe Group, Nuclear Power Board.
Annotation	Deals with the investigations carried out for the evaluation of earthquake induced forces and deflections in the 500 MWe PHWR building. Analysis of reactor building has been carried out for two mutually perpendicular horizontal excitations (N-S and E-W) and the vertical excitation.

0404

Title	Sequential Mass Spectrometric Analysis of Uranium and Plutonium Employing Resin Bead Technique. BARC-1289
Author	Ramakumar KL, Aggarwal SK, Chitambar SA, Jain HC
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Fuel Chemistry Division.
Annotation	Sequential mass spectrometri analysis of Uranium and Plutonium employing Anion exchange Resin Bead Technique is reported using a high sensitive Rhenium double filament assembly and 0. 5M HNO3 as a wetting agent for loading the resin Beads.

0405

Title	Setting-up of a Direct Reading Emission Spectrometer and its Adaptation for Plutonium Handling. BARC-1325
Author	Page AG, Godbole SV, Kulkarni MJ, Porwal NK, Thulasidas SK, Sastry MD
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Radio chemistry Division and Fuel Chemistry Division.
Annotation	A Jarrell-Ash 750 Atom Comp 1100 series direct reading emission spectrometer was set up and its performance features were checked with regard to analysis of Uranium-based samples using D. C. ARC / inductively coupled Argon plasma excitation techniques.

0406

Title	SHARDA - A Program for sample heat, activity, reactivity and dose analysis. BARC-1259
Author	Shukla VK, Bajpai A
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Services Division.
Annotation	Computer program SHARDA (Sample Heat, Activity, Reactivity and Dose Analysis) has been developed for safety evaluation and Pile Irradiation Request (PIR) for various nonfissile materials in the research reactor CIRUS. Describes the calculational model and the input/ output details of the code.

0407

Title	Simultaneous Estimation of PU and Fission products by Gamma Spectrometry
uthor	Achuthan PV, Bhogale RG, Ramanujam A, Iyer MR, Sharma DN, Raman N
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Fuel Reprocessing Division and Health Physics Division.
Annotation	Describes a Gamma Spectrometric Method for the simultaneous estimation of Pu and fission products using a 62cc intrinsic Germanium detector coupled to a 4K MCA. The 129 KeV peak of Pu239 was employed for the assay of Plutonium.

0408

Title	Simultaneous Spectrophotometric Determination of Tungsten and Molybdenum with Dithiol. BARC-1373
Author	Navale AS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Ore Dressing Section, Materials Group.
Annotation	Toluene3, 4-Dithiol is a very sensitive reagent for the Spectrophotometric determination of Tungsten and Molybdenum. A method is based on measurement of absorbance of the mixed complexes at three pre-selected wavelengths and simple calculations involving the absorbance differences is described.

0409

Title	Solid State Neutron Detector for measurement of Thermal Neutron Flux in Narow Conduits. BARC-1384
Author	Gubbi GK, Burte PP
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Technical Physics and Prototype Engineering Division.
Annotation	Technique for the fabrication of Silican surface barrier detector is described. Detectors are prepared from N type Silicon of resistivity 1000 OHM-cm and had an active area of 75mm2.

0410

Title	Source Depth Estimation by Prediction Error Filtering of Systhetic Explosion Signals. BARC-1337
Author	Roy F
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Seismology Section.
Annotation	For detecting the depth phases, a parametric model for P signal has been adopted. The method could unambiguously, detect the depth phases from the signals having signal to noise ratio > 4.

0411

Title	Spectral Shapes for Accelerograms recorded at Rock Sites. BARC-1314
Author	Ghosh AK, Muralidharan N, Sharma RD
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Analysis and Systems Division and Seismology Section.
Annotation	Earthquake accelerograms recorded on rock sites have been analysed to develop site-specific response spectra for use in a seismic design.

0412

Title	Spectral Shapes for Acclerograms Recorded at Soil Sites. BARC-1365
Author	Ghosh AK, Sharma RD
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Analysis and Systems Division and Seismology Section.
Annotation	Earthquake accelerograms recorded on soil sites have been analysed to develop site-specific response spectra. Normalised pseudo-absolute acceleration spectra for various values of damping and ground motion parameters and the ratios of peak accelerations in the three ortogonal directions.

0413

Title	Spectrographic determination of Boron in MO-B Micro-Alloys. BARC-1307
Author	Murthy PS, Marathe SM, Rao SVNB
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	A spectrographic method is described for the determination of Boron in M0-B Micro-Alloys.

0414

Title	Spectrographic determination of Si, Fe and Mn in Nuclear Grade Boron Carbide. BARC-1356
Author	Marathe SM, Biswas SS, Narayan O, Murthy PS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	Development of spectrographic method to determine Silicon, Iron and Manganese in Nuclear grade Boron Carbide has been described. Silicon and Iron are estimated in the concentration range, 200-5000 ppm and Mn is estimated in the range, 10-500 ppm.

0415

Title	Spectroscopy Division Progress Report for Jan. 1983 to Dec. 1984. BARC-1269
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Summarises the activities of the Spectroscopy Division for the period from January 1983 to December 1984. Articles deal with Extended X-Ray Absorption Fine Structure Spectroscopy (EXAFS) and laser spectroscopic techniques for trace analysis.

0416

Title	Stabilized X-Ray Generator Power Supply. BARC-1324
Author	Saha S, Purushotham KV, Bose SK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Variable Energy Cyclotron Centre.
Annotation	Describes how X-Ray Tube high voltage and electron beam current are stabilized. Also highlights generation of X-Rays, Diffractometry and X-Ray Fluorescence analysis and their wide applications.

0417

Title	Status of Data and Data needs for XRF and Pixe based element analysis. BARC-1300
Author	Kapoor SS, Choudhury RK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Nuclear Physics Division.
Annotation	The status of data and data need for X-Ray Fluorescence (XRF) and particle Induced X-Ray Analysis (PIXA) are examined to determine the areas where additional and improved data are required to improve the accuracy, precision and sensitivity of quantitative element analysis by the above techniques.

0418

Title	Studies on Corossion Inhibitors for the Cooling Water System at the Heavy Water Project, Kota. BARC-1326
Author	Pillai BP, Mehta CT, Abubacker KM
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Water Chemistry Division.
Annotation	In order to find suitable corrosion inhibitors for the open recirculation system a series of laboratory experiments on corrosion inhibitors were carried out using the constructional materials of the cooling water system and a number of proprietary formulations and the results are tabulated.

0419

Title	Studies on Fluid Structure Interaction Problems. BARC-1424
Author	Singh RK, Kakodkar A, Kant T
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Engineering Division.
Annotation	Review of fluid structure interaction problems has been given. The areas of development work on Liquid Container Design, seismic response of Pressure Suppression Pool in a Nuclear Power Plant, analysis of Submerged Structures and Pulse Induced Vibration in Coupled Fluid Shelled Systems are discussed

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0420

Title	Studies on the preparation of high purity materials for Electronics Industries. BARC-1439
Author	Abubacker KM, Drona KB, Kalantre PA, Krishnan NS, Mehta CT, Pillai BP
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Water Chemistry Division.
Annotation	Gives the preparation of some of the high purity materials which find extensive application in electronics. These are prepared by a variety of physico chemical methods such as chlorination, complexation, acid leaching, distillation, sublimation, vacuum sublimation, electrolytic seperation, etc.

0421

Title	Study of Dilution of Effluent discharged through a Sea Outfall near Mangalore using Radiotracer Technique. BARC-1397
Author	Eapen AC, Jain SK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Isotope Division.
Annotation	Describes Radiotracer Techniques have been successfuly used to study the change in concentration of effluents while being mixed with large water bodies. The fate of effluent discharged into water bodies is a matter of concern from the point of view of environmetal pollution.

0422

Title	Study of Two Medium Size "C" Core Electromagnets Generating Low Magnetic Fields. BARC-1352
Author	Bhatia MS, Dass S, Chatterjee UK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Multi-disciplinary Research Scheme and Laser Division.
Annotation	Describes the experience gained on two "C" core electromagnets . These magnets generate Low Magnetic Fields over reasonably large volumes. The study reveals the dependence of overall performance efficiency, field uniformity etc. on the design parameters.

0423

Title	Superconductivity in Power Engineering. BARC-1376
Author	Chaddah P, Dande YD, Dasannacharya BA, Malik MK, Raghavan RV
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Nuclear Physics Division and Atomic Fuels Division.
Annotation	With a view to assess the feasibility of using the technology in Power Engineering in India, the status of the efforts in the country is reviewed and the areas of R&D required are indicated.

0424

Title	Systhesis of Stilbene and Styrylbenzene Laser Dyes. BARC-1331
Author	Kunjappu JT, Rao KN
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Chemistry Division.
Annotation	Detailed procedures of preparing the Stilbenes and Styryl compounds are described. Also, a brief introduction to the characterisitics of an ideal Laser Dye is included.

0425

Title	Systhesis, Purification and Evaluation of some 7-Amino Coumarin Laser Dyes. BARC-1400
Author	Rao KN, Moorthy PN, Prasad CVC, Kunjappu JT, Priyadarsini KI
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Chemistry Division.
Annotation	Deals with the preparation and purification of 7- Amino Coumarin Laser Dyes.

0426

Title	THarapur Dual Cycle BWR - Analysis of Steam Generator bypass Incident. BARC-1298
Author	Chakraborty KP, Chamany BF, Murthy LGK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Reactor Analysis and Systems Division.
Annotation	Falling of the cover plate located on the partition plate of the Secondary System Generator (SSG) of one of the Tarapur Atomic Power Reactors caused the bypass of the SSG tubes resulting in a reactor trip. Transient analysis shows the cause for the trip and the safety implications.

0427

Title	Technical Assesment of Lalitpur Rock Phosphates for the Production of Phosphorus. BARC-1323
Author	Singh M, Chandra K, Sen S
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Chemical Engineering Division.
Annotation	Entire range of Lalitpur Rock Phosphates (U. P.), unique for pure Fluorapatite with only silica as gangue material, were assessed for the production of Phosphorous. A conceptual Phosphorus based Agri-Industrial Complex was conceived.

0428

Title	Thermal Model of In-situ Experiment of 32nd level Mysore Mine, KGF Report No. 1. BARC-1273
Author	Narayan PK, Mathur RK, Godse VB, Rajan NSS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Waste Management Division.
Annotation	Scope of the work detailed is to provide guidance to the in situ experiment by developing thermal and thermo mechanical models and to generate field database of various thermal properties of the Host Rock to facilitate validation of the model.

0429

Title	Thermal conductivity measurements of Selected Refractory Materials at Elevated Temperatures by Radial Heat Flow Technique. BARC-1406
Author	Ramachandran K, Srivastava PB, Venkatramani N, Rohatgi VK
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Plasma Physics Division.
Annotation	This report describes a thermal conductivity measuring system set up in the laboratory for Ceramic materials in the temperature range 500-2000 K. The results of the measurements on specific Ceramics are also given in the report.

0430

Title	TREDIT A 3-D Multigroup Diffusion Theory Simulator for Hexagonal Fuel Assembly Cores. BARC-1261
Author	Mohanakrishnan P, Jagannathan V
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Theoretical Physics Division.
Annotation	Multigroup 3-D reactor core simulator based on Neutron Diffusion Theory, called TREDIT has been developed for Light Water Reactors (LWRs). Xenon feed back effects on core power distribution are demonstrated.

0431

Title	Water Chemistry Division - Progress Report (April 1983 - April 1985). BARC-1302
Author	
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Presents Progress Report on Water Chemistry Division for a period of 3 years April 1983 to April 1985.

0432

Title	X - Ray Fluorescence Analysis of Lutetium Oxide / Oxalate for Rare Earth Impurities. BARC-1264
Author	Chandola LC, Khanna PP
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	X-Ray Fluorescence Spectrometric Method for the analysis of Lutetium Oxide is described. Calculations for theoretical minimum detection limits and percent standard deviations at each concentration of the standard are carried out.

0433

Title	X-Ray Fluorescence Analysis of Thulium Oxide / Oxalate for Rare Earth Impurities. BARC-1304
Author	Chandola LC, Khanna PP
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	An X-ray Flurorescence Spectrometric Method for the analysis of Thulium Oxide is described. Calculations for theoretical minimum detection limits and percent standard deviation at each concentration of the standard are carried out.

0434

Title	X-Ray Fluorescence Determination of Pr, Nd, Sm, Gd, Db, Dy and Y in High Purity Europium Oxide. BARC-1275
Author	Dixit RM, Deshpande SS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	An X-Ray Fluorescence Method for the determination of Pr, Nd, Sm, Gd, Tb, Dy and Y in High Purity Europium Oxide has been developed. The minimum determination limit for elements other than Nd and Dy is 0. 01% and for Nd and Dy it is 0. 02%.

0435

Title	X-Ray Fluorescence Method for Determination of BA, SR, MO and BI in Thorium Oxide. BARC-1398
Author	Dixit RM, Deshpande SS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	Simple and rapid X-ray fluorescence method for the determination of Ba, Sr, Mo and Bi in Thoria is described. Thorium oxide samples are dry mixed thoroughly with pure Boric Acid in the ratio 9:1. Precision and accuracy of the method have been determined.

0436

Title	X-Ray Fluorescence Method for the Determination of Potassium, Rubidium and Cesium in Thoria. BARC-1252
Author	Dixit RM, Deshpande SS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by spectroscopy Division.
Annotation	An XRF method for the determination of K, Rb and Cs in Thoria has been developed using Philips PW-1220 semi automatic X-Ray spectrometer. The minimum determination limits of K, Rb and Cs are 100, 50 and 50 ppm respectively.

0437

Title	X-Ray Fluoresence Method for the determination of LA, CE, PR, ND and SM in Plain Carbon Steels. BARC-1415
Author	Dixit RM, Deshpande SS
Publisher	BARC
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Prepared by Spectroscopy Division.
Annotation	Spectroscopy Division has developed an X-ray Fluorescence Method for the determination of Lanthanum (La), Cerium (Ce), Promethium (Pr), Neodymium (Nd)and Americium (Am) in plain Carbon Steels. The samples are converted to Oxides and then mixed with Boric Acid in the ratio 1:1 (400 mg each).

D B T

Department of Bio-Technology

V.5

Records: 0438 — 0448

0438

Title	Annual Report 1987-88
Author	
Publisher	DBT, MINISTRY OF SCIENCE & TECHNOLOGY
Place	
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Manpower development, infrastructural facilities, research and development, technology missions, National Institutte of Immunology, etc. are discussed.

0439

Title	Biotechnology Information System
Author	
Publisher	MINISTRY OF SCIENCE & TECHNOLOGY
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Bio-informatics is the area of interaction between Information Technology and Life Sciences including Biotechnology.

0440

Title	Biotechnology Overseas Associateships
Author	
Publisher	MINISTRY OF SCIENCE & TECHNOLOGY
Place	New Delhi
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Biotechnology leads to improvement in production over wide range of areas like Health, Agriculture,lindustry, Mining, Energy, Environment etc.

0441

Title	Centralised Facility for the Import and Supply of Fine Biochemicals
Author	
Publisher	MINISTRY OF SCIENCE & TECHNOLOGY
Place	New Delhi
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives preamble, efforts made towards ready availability of biochemicals, establishment of a centralised facility.

0442

Title	Employment Cofficients in Technology Intensive Sectors - A research sponsord by Department of Science & Technology
Author	
Publisher	ED. - CIL
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Prepared by Educational Consultants of India Ltd.
Annotation	Gives various facts of employment opportunities in Indian Technology Intensive Sectors. The findings of the study are on growth of installed capacity, annual production, investment & employment. Employment coefficients analyzed & worked out on installed capacity actual production & annual investment.

0443

Title	National Infrastructural Facilities
Author	
Publisher	DBT
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Enables users to find out the infrastructural facilities that are available in their areas of Scientific Research. Also gives contact addresses of concerned scientists who are to be contacted for any assistance or further information in regard to the respective facilities.

0444

Title	Post-graduate and Post-doctoral Teaching Programme in Biotechnology
Author	
Publisher	DEPARTMENT OF BIOTECHNOLOGY
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Biotechnology is recognised as an area of high technology based on high sientific excellence, this gives course and other relevant information.

0445

Title	Production of Indigenous basic Biochemicals for Research in Biotechnology
Author	
Publisher	DBT
Place	New Delhi
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Biotechnology has emerged as a frontier area of science as it has opened the possibilities for development of a variety of useful products for application in Agriculture, Health, Industry, Environment etc.

0446

Title	Programmes in Biotechnology
Author	
Publisher	DBT
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives programmes, infrastructural facilities, research and development project and progrmmes, recombinant DNA safety guidelines, international collaboration etc.

0447

Title	Short Term Training Courses
Author	
Publisher	DBT
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives details of training courses conducted.

0448

Title	Visiting Scientists from Abroad Programme
Author	
Publisher	DBT
Place	New Delhi
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives preamble, programme features, modes and criteria of selection, components of grants etc.

DNES

Department of Non-conventional Energy Sources

V.6

Records: 0449 — 0465

0449

Title	Annual Report 1986-87
Author	
Publisher	DNES
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Lists the activities of DNES in 86-87 in solar thermal energy, wind energy, biomass programmes, photovoltaic systems and magneto-hydro dynamics. Also gives role in public education, installation statistics, administrative and financial details.

0450

Title	Annual Report 1982-83
Author	
Publisher	DNES
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1983
Notes	
Annotation	The activities of the Department in 1982-83 described like wind energy & biogas development, solar energy, energy from biomass, and other programmes like ocean thermal energy & geothermal energy. In the annexure the sponsored programmes of the department are given.

0451

Title	Annual Report 1985-86
Author	
Publisher	DNES
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1985
Notes	
Annotation	Lists the activities of DNES in 1985-86 in solar thermal energy, wind energy, biomass programmes, energy from urban waste, rural renewable energy, photovoltaic systems and magneto hydro dynamics; also gives its role in public education, installation statistics, administrative and financial details.

0452

Title	Annual Report 1987-88
Author	
Publisher	DNES
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	
Annotation	Lists the activities in 1987-88 of DNES in solar thermal energy, wind energy, biomass programmes photovoltaic energy, energy systems and magneto-hydro dynamics. Also gives its role in public education installation statistics, administrative and financial details.

0453

Title	Antika-A Publicatiuon on Improved Chulha I
Author	
Publisher	DNES
Place	New Delhi
Type	Report
Class	Classified
Price	Not Priced
Frequency	One Time
Year	1989
Notes	In Two Volumes I & II
Annotation	Highlights the National Programme policies & issues on Improved Chulha & also to consolidate the efforts made by various technical backup support units & other agencies by publishing their actualities & results of their research & development studies.

0454

Title	Development and Energy
Author	
Publisher	DNES
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Seventeenth Prof. Bhagavantam's 60th Birthday commemoration lecture at Osmania University Oct. '86
Annotation	Highlights pressure of growing population in Countries on South of World's resources of food, materials, energy & fresh water. Discusses various projects, schemes & programmes in these areas. Talks contain energy consumption patterns, Urjagaon economics, economics of Bio-gas plants etc.

0455

Title	Energy-2001, Perspective Plan Non-Conventional Energy Sources
Author	
Publisher	DNES
Place	New Delhi
Type	Journal
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Sets out the general objectives of the Department Of Non-conventional Energy Sources for the next 15 years; also given is the perspective, the power generated by new and renewable sources of energy.

0456

Title	Food Energy Nexus Activities in India
Author	
Publisher	
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Presented at the International Seminar on Ecosystems, Food & Energy, Brazil 1984, Second Edition-1988
Annotation	Highlights pressure of growing population in Countries of South of World's resources, food, materials, energy & fresh water. Discusses some projects & programmes in the field of irrigation, forestry, energy, tribal rehabilitation, agro-forestry, wood stoves etc.

0457

Title	Guide to Biogas Plants
Author	
Publisher	DNES
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives basic information on biogas, selection of biogas plants, its components, cost of installation and bank loans, common problems and remedies, precautions, facilities provided by the government and technical guidance offered. Also gives information on community biogas plants.

0458

Title	Renewable Energy For You
Author	
Publisher	DNES
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Identifies the various renewable energy sources like solar energy, wind energy and biogas. Also gives the industries engaged in development and manufacture of renewable energy devices and systems.

0459

Title	Solar Energy Centre
Author	
Publisher	DNES
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives objectives of Solar Energy Centre, its publications, collaborations and achievements in generation of power, corrosion test facility systems, solar passive architecture and Green House Technology.

0460

Title	Solar Hot Water Systems - Solar Thermal Technology
Author	
Publisher	DNES
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Brought out by Solar Energy Centre
Annotation	Contains basic information on the solar hot water systems for manufacturers as well as for users. The fundamentals of solar hot water systems & the properties of various materials required for fabrication of the collector & other component etc. have been discussed. Expected energy savings also given.

0461

Title	Solar Thermal Technology Testing and Standardisation Solar Flat Plate Collectors
Author	
Publisher	DNES
Place	New Delhi
Type	Manual
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Contains basic information on solar collector material functions, requirement, test details and collector test methods, instruments, computing procedures for engineers, scientists and manufactureers. Fundamental properties of various materials required for collector and its components also discussed.

0462

Title	Solar Thermal Technology-Solar Hot Water Systems
Author	
Publisher	DNES
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Reprinted in 1987, first edition in 1985
Annotation	Contains basic information on solar hot water systems for manufacturers as well as users, the fundamentals of solar hot water systems and properties of various materials required for fabrication of collectors and other components. Discussed expected energy savings from different systems.

0463

Title	State of Art Report on Polycrystalline Silicon Technology
Author	
Publisher	DNES
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Illustrates the importance of solar energy, techno-economics of silicon technology. Cost efective approach to Multicrystalline Silicon solar cells and technology gaps, technology choice & recommendations.

0464

Title	The Layman's Guide to Solar Cookers: Cooking the Natural Way
Author	
Publisher	DNES
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Describes the types of solar cookers, their principles, advantages components, the method of cooking, cooking time and the materials that can be cooked. In the annexures, a list of organisations approved by DNES for manufacture and distribution of solar cookers given, & also those engaged in development.

0465

Title	Use Solar Energy for Water Heating
Author	
Publisher	DNES
Place	New Delhi
Type	Manual
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives the benefits of solar technology, procedure for operation and maintenance of solar hot water systems, the financial incentives given, the list of the state NODAL agencies who implement the programme and the manufacturers and the suppliers of hot water systems.

DOD

Department of Ocean Development

V.7

Records: 0466 — 0486

0466

Title	Activities of Department of Ocean Development in the field of Ocean Science & Technology
Author	
Publisher	Department of Ocean Development
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Talks about Antarctic program, non-living resources, underwater technology, acquisition of new research vessels & ship management, marine pollution research, remote sensing, living resources, manpower development, data collected etc. The activities undertaken by DOD.

0467

Title	Activities of the Department of Ocean Development in the field of Ocean Science & Technology
Author	
Publisher	DOD
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives details about the creation of DOD, its research activities and the various areas in which the department is helping by giving its technology.

0468

Title	Annual Report 1985-86
Author	
Publisher	DOD
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	Ocean policy statement given in the annexure
Annotation	Gives details about the activities of DOD in desalination programme, deep sea bed exploration, control of marine pollution, summary of the nature of work carried out during each one of the cruises of a research vessel.

0469

Title	Annual Report 1986-87
Author	
Publisher	DOD
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	In the annexure the list of organisations co-ordinating with DOD for some of its programmes is given
Annotation	Activities of DOD during 1986-87; given also are cruise activities of Vessel Sagar Sampada and the present status of work in deep sea bed exploration, control of marine pollution, ocean thermal energy conversion; a list of All-India coordinated projects etc.

0470

Title	Annual Report 1987-88
Author	
Publisher	DOD
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	The team to the Seventh Indian Expedition to Antarctica is given
Annotation	Activities of DOD during 1987-88 in deep sea exploration, manpower development, control of marine pollution; list of All India coordinated projects and participation in international conferences given.

0471

Title	FORV Vessel Sagar Sampada
Author	
Publisher	DOD
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Published to mark the arrival of fishery and oceanographic research vessel Sagar Sampada
Annotation	Gives vessel details; laboratory and research facilities, scope of research and utilisation of Sagar Sampada, its scientific equipment and major research objectives.

0472

Title	Fourth Indian Scientific Expedition to Antarctica
Author	
Publisher	DOD
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	Scientific report Technical Publication No. 4
Annotation	Consists of collection of papers on Antarctica: the topics covered are Geology and Geo-physics, Meteorology, Biology and Oceanography and also some general topics.

0473

Title	India and the Antarctic Scenario
Author	
Publisher	DOD
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives a brief outline of Antarctica, its environment, flora and fauna, minerals and also gives details about India's First Permanently Manned Station in Antarctica.

0474

Title	India and the Antarctic Scenario
Author	
Publisher	Department of Ocean Development, New Delhi
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Gives details of Antarctica, its environment, Flora & Fauna & Minerals available. Also discusses Science in Antarctica, Indian Expeditions and in the end Antarctic Treaty.

0475

Title	Indian Antarctic Research
Author	
Publisher	DOD
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Deals with the Indian Antarctica program and the objectives of the Sixth Antarctica Expedition, provides details about the Indian Antarctic base and also the Antarctic treaty provides list of the summer and winter programmes.

0476

Title	Indian Antarctic Research Programme 1987-88
Author	
Publisher	DOD
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives the objectives of the Seventh Antarctic Expedition and the summer and winter programmes. Also provides details about the Indian Base "Dakshin Gangotri."

0477

Title	Marine Science Promotion of Research and Development Activities
Author	
Publisher	DOD
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Publicity material for the Marine Research and Development Fund (MRDF) created in the Department of Ocean Development to encourage meaningful ocean related activities in different institutions of the country; lists the activities undertaken and areas of work supported by MRDF.

0478

Title	Polymetallic Modules India's work on the Resources for the Future
Author	
Publisher	PID
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Outlines mining polymetalic modules from the ocean. Indicates India's efforts in this area and the R&D institutions engaged in this field.

0479

Title	Proceedings of the Inter-Departmental Seminar on Status of Marine Pollution in India, 27&28 November 1986, New Delhi
Author	
Publisher	DOD
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Collection of papers presented on marine pollution, its impact, measures taken to control land based marine pollution and legislation for prevention and control of marine pollution.

0480

Title	Report of the First Indian Wintering Team in Antarctica (1984-85)
Author	
Publisher	DOD
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Gives the name of the wintering team and the summary of the scientific work carried out by them; Meteorological, Microbiological and Glaciological studies were carried out. Some conclusions and recommendations are also given.

0481

Title	Report of the Second Indian Wintering Team in Antarctica (1985-86)
Author	
Publisher	Department of Ocean Development
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Gives record of the activities carried out by the Station Commander and the two Scientists, also furnishes information on the kind of Scientific work undertaken during the wintering period rather than giving full scientific data & details. Also observations on weather conditions are summarised.

0482

Title	Sagar Kanya: India's Oceanographic Research Vessel
Author	
Publisher	DOD
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Describes the facilities available on board. Gives the dimensions of the vessel and also its cruise activities.

0483

Title	Scientific Report of First Indian Expedition to Antarctica
Author	
Publisher	Department of Ocean Development
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	Technical Publication No. 1
Annotation	Presents the results of the Scientific Investigations carried out during the First Expedition. It includes studies on Meteorology, Geomagnetism, Radio-wave Propagation, Geology, Glaceology, Chemistry & Microbiology of the Antarctic ice & the study of freshwater lake.

0484

Title	Scientific Report of Second Indian Expedition to Antarctica
Author	
Publisher	DOD
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1985
Notes	Scientific Report Technical Publication No.2
Annotation	Papers are broadly grouped under four sections, Geology, Geophysics and Geomagnetism, Glaciology, Meteorology and Radio-physics.

0485

Title	Seven Years of Antarctic Research. A Souveneir for Workshop on Antarctic Studies May 3, 1988 National Physical Laboratory, New Delhi
Author	
Publisher	DOD
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	A brief summary of scientific work carried out in the ares of Geology and Glaciology, Geophysics, Isotopic and Related studies, Geomagnetism, Remote Sensing and Oceanography during the Last Seven Expeditions to the Antarctica.

0486

Title	Third Indian Scientific Expedition to Antarctica
Author	
Publisher	DOD
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	Scientific Report Technical Publication No. 3
Annotation	Papers have been published under seven sections, they are Meteorology Oceanography and Biology, Geology and Geophysics, Environmental Studies, Radiophysics and Communication.

DOE

Department of Electronics

V.8

Records: 0487 — 0528

0487

Title	Annual Report 1987-88
Author	
Publisher	DOE
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	
Annotation	Reports the industry performance and sectoral progress and technology development in Electronics; also mentions Public Sector Undertakings and infrastructure facilities.

0488

Title	Annual Report, 1985-86
Author	
Publisher	DOE
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Discusses the role of Electronics and its growth; deals with activities of DOEin the year 1985-86 in Technology development & its applications, its infrastructural facilities and services. Lists the Public-sector Undertakings under DOE and the organisational structure of DOE.

0489

Title	Compendium of Training Programmes
Author	
Publisher	DEPARTMET OF PERSONNEL AND TRAINING
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	A Compendium of training programmes for 1988-89, has a selection of programmes for 159 Training Institutions throughout the Country.

0490

Title	Computer Appreciation Programme
Author	
Publisher	DOE(CCI WING)
Place	New Delhi
Type	Course Material
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives the basic concepts, computer languages, NICNET, levels of software, informatics etc.

0491

Title	Computerised Rural Information Systems Project (CRISP) District Rural Development Agency
Author	
Publisher	DOE
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Project of DOE sponsored by Department Of Rural Development.
Annotation	Gives details about the pilot project of using computers in rural development, its progress approach to the main menu, the user programme menu, details about individual programmes, like IRDP, also given.

0492

Title	DOE News Bulletin/Vol-1
Author	
Publisher	DOE
Place	New Delhi
Type	Newsletter
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	1988
Notes	
Annotation	Provides information on new employees joining DOE, employees leaving or getting promoted and on training programmes; also contains the major events/ achievements for April-August 1988.

0493

Title	DOESS - A Session Service System
Author	
Publisher	DOE
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives a model of session layer, overview of DOESS and its internal details.

0494

Title	Design Automation
Author	
Publisher	DOE
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Outlines the objectives of the design automation group, a constituent of the NIC, its facilities and the types of problems that can be analysed with its existing facilities, and gives contact addresses for getting more information.

0495

Title	Development of Software for Automatic Anode effect Quenching System
Author	
Publisher	MAEP(RANCHI CENTRE)
Place	Ranchi
Type	Manual
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Sponsored by the DOE & UNDP.
Annotation	Discusses about system development in general; also mentions about why Anode effect occurs during process of Aluminium extraction and how it gets quenched manually in existing systems; also discuss how automatic quenching of Anode effect can be done.

0496

Title	Digital Electronics and Microprocessor Technology
Author	
Publisher	DOE
Place	New Delhi
Type	Manual
Class	Open
Price	Not Priced
Frequency	Half yearly
Year	1987
Notes	
Annotation	Introduction to Binary Number Systems, Boolean Algebra, Digital Electronic Techniques and devices and an overview of the INTEL 8085 microprocessor hardware and software.

0497

Title	District Information System of National Informatics Centre
Author	
Publisher	DOE
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Informs about DISNIC, a constituent of NIC, its efforts in acquiring district databases and the importance of districts in the planning process. District data is classified into special monitoring data, routine data, and socio economic data.

0498

Title	Electronics Information and Planning
Author	
Publisher	IPAG
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 15
Frequency	Monthly
Year	1988
Notes	Journal devoted to techno-economics of Electronics Industry in developing countries.
Annotation	

0499

Title	Electronics Information and Planning 1972-VI
Author	
Publisher	IPAG, DEPARTMENT OF ELECTRONICS
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 15
Frequency	Monthly
Year	1986
Notes	Journal devoted to techno economics of Electronics Industry in developing countries.
Annotation	Surveys the status of the industry sectorwise, high lighting the impact of the new policy, measures and attempts at a long-term perspective of the industry.

0500

Title	Fail Safe Controller for Electronic Switching Systems
Author	
Publisher	MAEP(RANCHI CENTRE)
Place	Bangalore
Type	Report
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Discusses the Fault Tolerant Redundancy Schemes in the digital ILT exchange and gives a detailed description of the above system.

0501

Title	Gas Turbine and Monitoring System
Author	
Publisher	DOE
Place	Pune
Type	Course Material
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Discusses the hardware and software development of Microprocessor Application Engineering Programme (MAEP), explains objectives and system description and block diagrams which describe various hardware modules of the system.

0502

Title	Growth of Electonics in India
Author	
Publisher	DOE
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives a review of the Indian Electronics Industry, its sectorwise status, infrastructural facilities, technology development, international co-operation in elctronics, and the future growth prospects for Electronics Industry in India.

0503

Title	INMAP'88 International Seminar on Microprocessor Applications for Productivity Improvement
Author	
Publisher	DOE
Place	New Delhi
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Introduction and applications of Microprocessors for productivity improvements in diverse sectors such as Agriculture, Water treatment, Railways, Medical Instrumentation and Education.

0504

Title	International Seminar and Exhibition on Distributed Control
Author	
Publisher	DOE
Place	New Delhi
Type	Seminar Proceedings
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	ISDC-86 gives about integrated control of industrial systems, and many other International Seminars.

0505

Title	Introduction to PC-Software
Author	
Publisher	DOE
Place	New Delhi
Type	Manual
Class	Classified
Price	Not Priced
Frequency	Bi-annual
Year	1987
Notes	
Annotation	Introduction to the operating system MS-DOS, assorted software packages and information about hardware of IBM PC compatibles.

0506

Title	Invitation to CCDC 87
Author	
Publisher	DOE
Place	New Delhi
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives the background of CCDC (Conference on Computer Communication for Developing Countries).

0507

Title	Lecture Series on Expert Systems in Process Control
Author	Shinskey FG
Publisher	
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Automation of Process Control System through Expert Systems.

0508

Title	Microprocessor Application Engineering Programme
Author	
Publisher	DOE
Place	Ranchi
Type	Report
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Automation of the measurement, analysis, control and display of various parameters and conditions while charging Coke through a blast furnace.

0509

Title	Microprocessor Application Engineering Programme
Author	
Publisher	MAEP(RANCHI CENTRE)
Place	Ranchi
Type	Report
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Report on development of a Microprocessor Based System for data acquisition and supervisory control of a Blooming Mill Main Stand.

0510

Title	Microprocessor Application Engineering Programme
Author	Krishna Kant, Sardana Shivanand
Publisher	DOE
Place	New Delhi
Type	Manual
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Describes hardware and software specification of INTEL's 8051 and 8096 Microcontrollers.

0511

Title	Microprocessor Based Automatic Railway Track Survey System
Author	
Publisher	DOE
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Automation with the help of a microprocessor, of the measurement of linear distances along railway tracks and plotting of track survey plants.

0512

Title	Microprocessor Based Track Monitoring Car
Author	
Publisher	DOE
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives the objectives of appropriate automation promotion laboratory. (AAPL) discusses the equipment for track monitoring system.

0513

Title	Microprocessor Interfacing Experiments
Author	
Publisher	DOE
Place	New Delhi
Type	Manual
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Discusses programmable peripheral interface, logic controller interface, display interface and printer interface.

0514

Title	National Informatics Centre - District Information System
Author	
Publisher	NATIONAL INFORMATICS CENTRE
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives district database, DISNIC, DISNIC infrastructure, monitoring and administrative databases.

0515

Title	National Informatics Centre - Profile of Services
Author	
Publisher	
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives information about NIC activities & services relating to agriculture, communication, external affiars, finance, home affairs, industry, steel and mines, welfare, network communication, training school etc.

0516

Title	National Informatics Centre Profile of Services
Author	
Publisher	DOE
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives some background information about NIC, and its facilities, also gives details about the support groups, specialized divisions, and the application divisions of RNRD, and the areas of work undertaken by these divisions.

0517

Title	National Seminar on Microprocessors on Indian Railways
Author	
Publisher	DOE
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Introduction and application of microprocessors, microcontrollers and computer based automation techniques in the Indian Railways.

0518

Title	Online Literature Retrieval
Author	
Publisher	MEDLARS CENTRE, NATIONAL INFORMATICS CENTRE (NIC)
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occational
Year	
Notes	
Annotation	Describes why of online retrieval, how searching is performed and who needs the information, facts about NIC MEDLARS centre and guidelines for its user.

0519

Title	Personal Computer Software, An Overview
Author	
Publisher	GOVT OF INDIA, NATIONAL INFORMATICS CENTRE
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives an overview of personal computers, and an introduction to MS-DOS, Wordstar, Dbase III etc.

0520

Title	STQC at a Glance
Author	
Publisher	DOE
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives the objectives of STQC, its facilities and their locations; what STQC means to the manufactuers, consumers, and professional users of electronic products, and its role in IEC quality assessment system for electronic components.

0521

Title	Software India
Author	
Publisher	DOE
Place	New Delhi
Type	Journal
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	1988
Notes	
Annotation	Gives the import of computer system on loan basis. Lists the DOE registered software exporters.

0522

Title	State of the Art of Microelectronics in India
Author	Mehta SC and Saradan GS
Publisher	DOE
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Report examines state of art of micro-electronics, gives profile of electronic industry, the existing infrastructure, main sources of suppliers of technology & equipment.

D O En

Department of Environment

V.9

Records: 0529 — 0551

0529

Title	All India Co-ordinated Research Project on Ethnobiology, Annual Report 1984. Man and Biosphere Programme
Author	
Publisher	DOEn
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1984
Notes	
Annotation	Investigators and Institutions participating in all India coordinated Ethnobiology project are given;documents the results achieved by them in 1980; also a summary of the allocations of funds to institutions is given.

0530

Title	All India Coordinated Research Project on Ethnobiology, Annual Report 1983
Author	
Publisher	DOEn
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1983
Notes	
Annotation	Lists the objective and scope of the programme, participating institutes and investigators, and the work done by them in preparing a folklore of plants and animals and in conducting phytochemical and pharmacological investigations on selected wild plants used by tribals.

0531

Title	Annual Report 1987-88
Author	
Publisher	DOEn
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	
Annotation	Gives an overview of the activities of the Department of Environment, Forests and Wildlife, lists its efforts in survey of Natural Resources, Conservation of Natural Resources, Control of Pollution and in Environmental Research. Administration and Budgetary details are also given.

0532

Title	Annual Report MAB Projects 1984
Author	
Publisher	DOEn
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1984
Notes	
Annotation	Gives the titles of some projects which come under MAB; a report on the work done is also given.

0533

Title	Completed Projects under Environmental Research Programme Objectives and Salient Features
Author	
Publisher	DOEn
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Gives the titles of the Environment Research Commitee Projects and tasks under the Man and Biosphere Project, their objectives and important results. In the annexure the format for application for grant for projects under environment research programme is given.

0534

Title	Directory of Non-Governmental Organisations in Environment
Author	
Publisher	DOEn
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Brought out by environment information systems-ENVIS
Annotation	Lists the non-governmental organisations in the field of environment and also the registered and non-registered societies. Also given are statewise index and location index of these organisations.

0535

Title	Environment in the Indian Parliament-Rajya Sabha 1984
Author	
Publisher	DOEn
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	The environment related questions & answers have been extracted from the Rajya Sabha Official Report
Annotation	Gives a subjectwise index on environment related questions and statements in various sessions of Rajya Sabha during 1984. The text are in Hindi and English. An Alphabetical index of Rajya Sabha Members associated with environment related questions and statements is also included.

0536

Title	Environmental Guidelines for Development of Beaches.
Author	
Publisher	DOEn
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Gives guidelines for developmental aspects of beaches, with a view to protect environment. Also includes procedure for environmental impact assessment and the composition of the working group on environmental guidelines for development of beaches.

0537

Title	Environmental Guidelines for Siting of Industry Report of the Working Group
Author	
Publisher	DOEn
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Provides guidelines relating to areas to be avoided for siting of industries, precautionary measures to be taken during site selection and also aspects of enviommental protection which should have been incorporated during the implementation of the industrial development projects.

0538

Title	Environmental Guidelines for Thermal Power Plants
Author	
Publisher	DOEn
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives the environmental guidelines for thermal power plants, their siting criteria, details about environmental impact statement and environmental management of thermal power stations.

0539

Title	Environmental Management of Mining Operations
Author	
Publisher	DOEn
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1982
Notes	Based on the report of the working group on Mining and Environment DOEn 1981
Annotation	Gives guidelines for integrating environmental concerns with exploitation on mineral resources; also given are the parameters to be covered by environmental quality standards for liquid effluents and a questionnaire for environmental appraisal of Mining Operations.

0540

Title	Environmental causes of Food Contamination
Author	Tulpule PG, Nagarajan V, Bhatt RV
Publisher	DOEn
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Environmental review series 1
Annotation	Emphasizes the range and magnitude of food pollution by naturally occuring toxicants, microbial, chemical, and other miscellaneous contaminants; also gives the national food regulations and regulatory agencies, including some recommendations for fighting food contamination.

0541

Title	Guidelines and Questionnaire for Environmental Impact Assessment of Shipping and Harbour Projects
Author	
Publisher	DOEn
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1981
Notes	
Annotation	Outlines the policy for protection of the harbour environment and its legal framework. Informs about the types of accidents in marine environment. In annexure, list of IMCO conventions relating to marine pollution is given, and also the details of prevention of pollution convention 1954.

0542

Title	Guidelines for Environmental Impact Assessment of River Valley Projects
Author	
Publisher	DOEn
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	This handbook explains the rationale for environmental impact assessment, gives guidelines and procedure adopted for further clarity along with two case studies.

0543

Title	Man and Biosphere Programme
Author	
Publisher	DOEn
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Provides information on background and approach of the Man and Biosphere Programme, research projects and the thrust areas; in annexures a list of the completed and ongoing projects are given, and also Indians in the Man and Bioshphere Committee.

0544

Title	National Wildife Action Plan
Author	
Publisher	DOEn
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Key of abbreviations used in action plan given
Annotation	Gives a list of aims on which the conservation strategy and action programme for wild life conservation have been based, in the annexure a summary report of the task force on public support for wildlife conservation is given.

0545

Title	Pitambar Pant National Environment Fellowship Award
Author	
Publisher	DOEn
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives procedure and format for submission of nomination, criteria for selection and the terms and conditions of the fellowship.

0546

Title	Proceedings of Second Annual Workshop on MAB Project, 23-25 March 1984
Author	
Publisher	DOEn
Place	New Delhi
Type	Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Reports of the scientists working in projects under the MAB programme, projects focussing on man's interaction with particular type of ecosystems or physiographic units like tropical forests, mountain Echo systems, and also on particular impact of major processes like demographic change, pollution etc.

0547

Title	Report of the Working Group set up by the Planning Commission for the Seventh Five Year Plan of the Department of Environment
Author	
Publisher	DOEn
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives an overview of the Sixth plan programmes and the Seventh plan proposals. Also gives a list of tables on the proposed outlays of the seventh plan and the composition of working group.

0548

Title	Report on Environmental Monitoring Instruments
Author	
Publisher	DOEn
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Gives the status of instrumentation facilities available for environmental monitoring and the demand of such instruments, R&D facilities available, Manufacture of instruments, typical airborne concentrations of toxic substances, industrial environment of India are documented.

0549

Title	Right to Know - Judgement of Bombay High Court and Supreme Court Order
Author	
Publisher	Ministry of Environment and Forests
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Writ Petition 2733 of 1986, Bombay High Court and Special Leave Petition No. 11291 of 1986 Supreme Court.
Annotation	Relates to right to Information - Gives the judgement delivered on 7. 10. 86. The Court held that authorities should take assistance of social action groups instead of looking at them askance and sparingly allow them to inspect documents etc. Refers to five other cases in Supreme Court.

0550

Title	Sytems Analysis Application to Environment
Author	
Publisher	DOEn
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Gives a list of organisations and institutions where systems analysis is taught or applied. Reviews the techniques, models, capabilities and data requirement considerations for systems analysis, gives details about the proposed national institute for environmental systems analysis.

0551

Title	The Wrath of Nature & the Impact of Environmental Destruction on Floods and Droughts
Author	
Publisher	DOEn
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Prepared by the Centre for Science and Environment for the Members of Parliament along with DOEn
Annotation	Outlines the effects of degrading environment; gives data on the destruction caused by droughts and floods and suggests methods by which these processes can be averted and reversed.

DOS

Department of Space

V. 10

Records: 0552 — 0678

0552

Title	A Case Study on Benefit Cost Analysis of a Remote Sensing Based Crop Information for Major Wheat Growing Region of India
Author	Madhavan T, Venkatkumar TS, Das B, Dasgupta AR, Gopalan AKS
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-40-84
Annotation	Cost benifit analysis has been done for a proposed remote sensing based information system for wheat production forecasting. The system is found to be cost-effective and it is indicated that the benifit of such a system would far outweigh the marginal investment cost.

0553

Title	A Multifunctional Electro-Optic System
Author	Cyriac MJ, Thutupalli GKM
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	New electro-optical system to measure a wide variety of optical properties of different materials is designed and developed. Also this can monitor relative spectral signatures of vegetation in live state and grown under controlled conditions.

0554

Title	A Programming System for Digital Image Processing of Remotely Sensed Data
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-04-77
Annotation	The work on programming system for digital image processing of remotely sensed data is compiled with a view to making it available to a wider set of people interested in the study of earth resources using remote sensing techinques. The imphasis is laid on multiband and multispectral data.

0555

Title	ATS-6 Radio Wave Scintillation measurements at Ootacamund, India (October 1985-August 1976)
Author	Rastogi BRG, Deshpande MR, Chandra H, Vadher NM, Vats HO
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SR-29-87
Annotation	Summarises the data of ATS-6 radio beacon scintillations measurements on 40, 140 and 360 MHZ at Ootacamund for the months of October 1975 to August, 1976.

0556

Title	Aeronomy and Atmospheric Sciences in India : Profile for 1980's
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ADCOS-SR-13-83
Annotation	Gives information on the international and national work done so far and currently being carried out in the field of Aeronomy and Atmospheric Sciences.

0557

Title	Agricultural Resources Inventory and Survey Experiment (ARISE)
Author	Sahai B
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SCA-TR-01-76
Annotation	Describes in brief the major tasks involved in conducting the experiment such as ground-truth data collection. Flight operations, film processing and data interpretation.

0558

Title	Algorithms of Data Fitting
Author	Sastry SS, Prasad KL
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-SN-10-79
Annotation	Several algorithms for curve and surface fitting are outlined and illustrated by numerical examples. A procedure for smoothing of discrete data is also described and illustrated by smoothing of rocket flight data.

0559

Title	All Reflective Telescope System for Multispectral Scanners
Author	Joseph G, Rattan R , Rayalu GK
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-12-80
Annotation	Covers the various parameters affecting telescope performance and optimises these to arrive at the best possible design for multispectral scanners and very high resolution radiometers for future orbitting and geosynthronous missions for Indian satellites.

0560

Title	Analysis of Data collected by Microwave Radiometer Onboard Bhaskara
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-TR-16-81
Annotation	The data collected by a two-frequency satellite microwave (SAMIR) over the Indian land-mass and the surrounding seas have been analysed by scientists of space application centre of ISRO. In this volume some of these papers and a few other studies of the SAMIR data have been brought out.

0561

Title	Annual Report 1980-81
Author	
Publisher	DOS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1981
Notes	Technical appendix and glossary given at the end
Annotation	Highlights the progress achieved in 1980-81 by DOS. Brief description of DOS and its constituents;documents space applications, the launch support, tracking network and range facilities etc.

0562

Title	Annual Report 1981-82
Author	
Publisher	DOS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1982
Notes	Technical appendix lists ISRO and other technical publications
Annotation	Highlights the progress achieved in 1981-82 by DOS. Brief description of DOS and its constituents. documents space applications, research and the launch support, tracking support and range facilities, the centres responsible for the support.

0563

Title	Annual Report 1983-84
Author	
Publisher	DOS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1984
Notes	
Annotation	Highlights the progress achieved by DOS in 1983-84, documents space applications, and research in space sciences; also given are launching and track support and cooperation with other agencies.

0564

Title	Annual Report 1984-85
Author	
Publisher	DOS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	
Notes	
Annotation	Highlights the progress achieved by DOS in 1984-85; briefly describes the constituents of DOS, and the space applications and research in space sciences. Also given are the launch facilities tracking network etc.

0565

Title	Annual Report 1985-86
Author	
Publisher	DOS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Enumerates the achievements of space programme in 1985-86, and its role in fostering research in space sciences; its support services, and sponsored research.

0566

Title	Annual Report 1986-87
Author	
Publisher	DOS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Highlights the progress achieved by DOS in 1986-87. Mentions DOS and its constituents. Lists space applications and research in space sciences and the launch support, tracking support and range facilities available.

0567

Title	Annual Report 1987-88
Author	
Publisher	DOS
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	Technical appendix, glossary given in the end
Annotation	Highlights the space programme during 1987-88, its space application development activities in space technology, launch support, tracking support & range facilities; research in space sciences, sponsored research, international collaboration.

0568

Title	Apple Magnetic Attitude Control -a New Concept
Author	Goel PS, Rajaram S
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TN-10-78
Annotation	Gives a new controller design with magnetic torquer interacting with geomagnetic field and controlling roll, yaw error as well as damping the nutations. The analysis, system design and simulation results are included.

0569

Title	Application of Bhaskara-1 TV Payload Data
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-19-81
Annotation	Presents a sample of the work carried by the task group to demonstrate the utilisation of the Bhaskara-1-single channel television data.

0570

Title	Applications Development System (ADS) User's Guide
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-SP-22-86
Annotation	ADS-The Applications Development System - is to assist a resource scientist dealing in image processing, so that he can develop his image processing on the VAX-11/780 with the help of IIPS library at IPAD, RSA.

0571

Title	Applications Development System (ADS) detailed Document
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-25-86
Annotation	Presents in detail various modules building the total structure of Applications Development System. Under the name of the module it describes the related details like module's function, parameter-list, parameter-types, sub modules used etc.

0572

Title	Artery Heat Pipe Experiment Abroad RH-560
Author	Gupta PP, Ramalingam ML
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TR-20-81
Annotation	Describes development of each of the experiment package that were flown abroad RSR-560, to evaluate the characteristics of arterial wick and the performance of heat pipe under zero `G' environment. Analysis of flight data shows the experiment successful.

0573

Title	Astronomy and Astrophysics in India : Profile for 1980's
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ADCOS-SR-10-82
Annotation	Provides useful information in relation to the promotion and encouragement of Astronomy and Astrophysics teaching and research in India.

0574

Title	Ballistic Evaluation as an Aid in Quality Assurance of Composite Propellant Grains
Author	Chandrasekaran M, Venkateshwaran V, Subrahmanyam S, Viswanathan K
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SHAR-TN-35-84
Annotation	Briefly describes the use of ballistic evaluation as an aid in assuring the quality of solid propellant rocket motors. Besides, various QC/QA procedures currently being followed for main Agni motor manufacture are detailed by bringing their significance on the final performance of the motors.

0575

Title	Balloons for Meteorological and Scientific Applications
Author	Mani A
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-INCOSPAR-TN-08-78
Annotation	Presents the History of the development of methods and instruments for investigating the earth's atmosphere. The study of the Physics of the atmosphere has closely followed developments in the use of instrument platforms and vehicles such as kites, balloons, aircraft, rockets and satellites.

0576

Title	Benifits from Space Technology - A View from a Developing Country
Author	Rajan YS and Ninan J
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SP-30-87
Annotation	Gives the benifits from space technology which is a view from a developing country.

0577

Title	Bhaskara-2 - TV Data Utilisation in Resource Studies
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-26-82
Annotation	Describes the studies about Bhaskara-2- Television images which are useful for the preparation of resource maps at a regional level on 1:2 meter scale and in snow mapping studies.

0578

Title	Cloud-cover during Cropping Seasons in India : Scheme for Acreage estimates through Remote Sensing
Author	Rao VR, Lalitha L
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-HQ-TN-16-80
Annotation	Random sampling scheme for estimating the acreage under different crops in India through optical remote sensing is suggested; taking into account the extent of cloud-cover over the cropped areas.

0579

Title	Control System Design Methodology for SLV-3
Author	Kadam NV, Rao KS
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-13-80
Annotation	Gives a brief description of the design procedures for the design of control systems for the SLV-3. It describes briefly the usual steps in design, such as short period and long period studies. Also describes briefly the design procedures used for the first, second and third stages of the vehicle.

0580

Title	Cosmic Rays Ion production rates in the Middle Atmosphere
Author	Datta J, Chakravarty SC, Mitra AP
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-IMAP-SR-16-84
Annotation	Available information on Ion production rates in the middle atmosphere, particularly at low latitudes are summarised and computations carried using three different techniques including the solution of Bethe-Bloch formula are discussed.

0581

Title	Demonstrated Applications in India of Remote Sensing Technique
Author	Bhavsar PD
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-SN-O5-78
Annotation	Gives a brief history of the work conducted by scientists in india in different fields of remote sensing applications, such as geological studies, agricultural studies, oil and mineral exploration, topographic studies, soil survey, ground water survey etc.

0582

Title	Design and Qualification of Hybrid Micro-circuits for Space Applications
Author	Chandra A, Sinha AK, Paul PT, Mrs. Radhakrishnan
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TR-13-81
Annotation	Gives the design requirements for the high reliability hybrid micro-circuits suitable for space applications. The details for line certification and qualification to achieve the required level of quality and reliability are given.

0583

Title	Design-optimization of Three Layer Antireflection Coatings (ARCS)
Author	Nagendra CL, Thutupalli GKM
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TR-72-88
Annotation	Gives a generalised theoretical formulation for multi-layer antireflection coating & (ARCs) and also design data for three and two layer anti-reflection coatings.

0584

Title	Development of Substituted Polymide Adhesives and Fibres
Author	Varma IK, Varma DS
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-TN-15-80
Annotation	Describes the condensation and addition type of polymides which were synthesised for high temperature resistant applications in space technology. The polymides were characterised by intrinsic viscosity measurements, infra-red spectral observations and dynamic thermo-gravimetry in nitrogen atmosphere.

0585

Title	Development of Vertical Dynamic Balancing Machine
Author	Thomas VA, Selvaraj I, Gupta RK, Chandrasekhar NS
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TN-11-78
Annotation	Features of vertical dynamic balancing machine developed to meet ISRO's requirements is described. Machine, capable of balancing rotors in vertical mode, was used to balance Aryabhatta satellite.

0586

Title	Development of Vertical Dynamic Balancing Machines for Space Applications
Author	Govinda KV, Selvaraj I, Chandrashekar NS, Katti VR, Thomas VA
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TN-22-83
Annotation	Features of improved vertical dynamic balancing developed specially to meet ISRO's requirements are described. One of these machines has the capacity to balance payloads weighing upto 600 Kg from a remote place, 200M away from the machine house.

0587

Title	Digital Clustering Technique Applied to Aerial Photographs for Land use Analysis
Author	Kamat DS, Majumdar KL, Prakash CVS, Swaminathan VL, Vyas NK
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-SN-01-76
Annotation	Presents the implementation of an unsupervised classification technique for the interpretation of the aerial photographs, collected by the joint team of ISRO and ICAR for their project agricultural resources inventory and survey experement (ARISE).

0588

Title	Disasters in India : Can Remote Sensing Do Something?
Author	Rao VR, Lalitha L, Nageswararao PP, Gupta AK, Vijayalakshmi G
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-EOS-TR-27-83
Annotation	Attempts are made to Investigate the parameters deducible from remote sensing data to compliment the existing ground systems of data collection. It is emphasized that there is an urgent need for many case studies to evolve a workable and efficient system for disaster forecasting.

0589

Title	Distrubance Torque due to Thruster Exhaust Plume Impingement on extended Space Craft Surfaces
Author	Sathe CB, Goel PS
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TN-23-83
Annotation	Presents a method of computation of distrubance torque/thrust due to thruster plume impingement on an extended surface of a spacecraft and its applications for the design overall thurster configuration.

0590

Title	Earth Study from Space
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TT-01-82
Annotation	Consists of papers translated from Russian to English on earth study, the basic experiments in this direction were conducted by Soviet cosmonauts on manned orbital stations SALYUT and spacecraft SOYUZ.

0591

Title	Electro-magnetic Compatibility Prediction and Analysis Program for Launch Vehicle Communication System
Author	Prasad MYS, Pillai RS, Singh US
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TN-12-80
Annotation	Engineering aspects of the computer program compatability Prediction and analysis for launch vehicle communication system are described. Inputs required for the program along with logic flow are detailed.

0592

Title	Electronic Densities in the Equatorial Lower Ionosphere from the Langmuir Probe experiments conducted at Thumba 1966-1978
Author	Subbaraya BH, Prakash S, Gupta SP
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-PRL-SR-15-83
Annotation	Data on Thumba equatorial rocket launching experiments is available in a convenient form for a research worker interested in using this data for a scientific study. A mean electron density profile for the equatorial lower atmosphere for day time conditions has been constructed.

0593

Title	Environmental Test Facilities at Vikram Sarabhai Space Centre
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TN-03-77
Annotation	List and describes the environmental test facilities at Vikram Sarabhai Space Centre.

0594

Title	Estimation of Orbital Elements using methods of Nonlinear Optimization
Author	Adimurthy V, Joy KV
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-SN-02-77
Annotation	Discusses the nature of optimization problem for different kinds of estimators of orbital elements of a satellite. Two different types of optimization methodologies gradient-dependent and gradient-independent are employed. A new and efficient linear search routine is developed.

0595

Title	Evaluation of SIR-B Images over parts of Indian Region
Author	Sood RK, Mehta NS, Rajawat AS
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	SIR-B images usefulness and limitations have been discussed here. Attempt to assess the effect of orthogonal illumination directions have also been made, by analysing images corresponding to its passes of SIR-A and SIR-B.

0596

Title	Far Field Measurements of Acoustics Signals from Rockets in Flight : M-100 and Centature Rockets
Author	Devarajan M
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TR-46-78
Annotation	The method of measurements, analysis and the results obtained of acoustic signals from rockets in flight are presented. The far field sound from combustion instabilities are discussed.

0597

Title	Future Indian Earth Resources Satellites : A Study
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-TR-03-77
Annotation	This is a report on the options for developing future Indian earth resources satellites and data reception network.

0598

Title	G/T Measurement using Moon as Noise Source
Author	Garg VK, Rauthan DB
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-INSAT-TR-30-83
Annotation	The relevance of the choice of the moon as a noise source for G/T measurement in Indian context is discussed. The experiment is conducted and shown that G/T measured results using cassiopeia and moon are within 0. 25db. for quick determination of G/T a set of monograms are presented.

0599

Title	Glimpse of Space Science Research at ISRO and PRL
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SN-06-78
Annotation	Reviews the work on space science research at ISRO and Physical Research Laboratory, Ahmedabad, including ISRO sponsored research projects. The area covered are: Ionospheric research, rocket astronomy, space plasma simulation studies, cosmic ray research, X-ray astronomy, space physics etc.

0600

Title	Hailstorm suppression using Rockets
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-HQ-SN-09-78
Annotation	An analysis of the frequency and location of occurrences of hailstorms in India is presented from the data supplied by India Meteorological Department. A description of hail measuring instruments and also the possibility of frangible rocket development for hail suppression have been discussed.

0601

Title	Handbook of ISRO Test Facilities
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-HQ-SP-34-87
Annotation	Gives a compilation of all the test facilities for the projects of the Indian Space Program available at Indian Space Research Organisation.

0602

Title	High Altitude Balloon Observations of Equatorial Waves over India
Author	Kumar S, Nagpal OP
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-IMAP-SR-25-85
Annotation	Tropospheric and lower Stratospheric winds (0-35 Km) at two Indian stations Trivandrum (8. 3 Deg. N, 76. 7 Deg. E) and Bhubaneshwar (20. 15 Deg. N, 85. 5 Deg. E) during 1984 are analysed for the presence of equatorial waves.

0603

Title	Holographic Non-destructive Testing (HNDT) on Honeycomb Pannels
Author	Rao MV, Samuel R
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TR-53-86
Annotation	Describes the applications of holographic inter-ferometry to the NDT of honeycomb sandwich pannels. Thermal and vibration stressing in conjunction with different holographic techniques such as double exposure, time averaging and real time display used, are described.

0604

Title	ISRO Sponsored Space Technology and Space Application Projects
Author	Ananth AG
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Summarises salient results achieved in research relevant to Indian space programme and technology developed in some of the successfully completed respond projects.

0605

Title	ISRO support for Sponsored Research (1976-80)
Author	Chakravarthy SC, Rao RS
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-HQ-TN-14-80
Annotation	Salient details of various research and development projects sponsored and supported by ISRO in the universities and academic/research institutions are summarised for the period 1976-80. Efforts made in evaluating the progress made in these projects are also mentioned.

0606

Title	Identification and Classification of Paddy and Sugarcane Crops around Mandya
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-TN-07-78
Annotation	Gives results of the experimental aerial surveys carried out over the sugarcane and paddy fields of Mandya district of Karnataka state using the technique of remote sensing photography.

0607

Title	Identification and Mapping of Wastelands at Microlevel using Remote Sensing Technique - An Approach
Author	Dutt CBS, Nageswara Rao PP, Manikiam B, Gupta AK, Behera G, Ganesha K
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-NNRMS-TR-58-86
Annotation	Discusses identification and mapping of wastelands using Landsat-Thematic mapper data on 1:50, 000 scale identifying the wasteland categories such as gullied/ravinous lands, undulating upland with or without scrub, surface water logged land, degraded forest lands, degraded pastures etc.

0608

Title	In-Orbit Checkout of Apple Communication Payload
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-44-82
Annotation	Results obtained during in-orbit check-out of `ACT' are discussed in detail. In-orbit results are compared with T & E results, pre-launching test results and specifications.

0609

Title	Indian middle Atmosphere Programme (IMAP) : Charter and Project Report
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-IMAP-SP-01-82
Annotation	Gives a detailed IMAP project report dealing with the studies of the physical and chemical phenomena and processes taking place in the middle atmosphere between the altitude range of about 10-100 Km above sea level.

0610

Title	Indo-USSR Ozonesonde Intercomparison : Experiment at Thumba-Part 1
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-IMAP-SR-24-85
Annotation	Contains data on the joint INDO-USSR ozone intercomparison experiment held at the Thumba Equatorial Rocket Launching Stations (TERLS), during March- April 1983. All these ozone and upper air data have been compiled in this present data set.

0611

Title	Influence of Lithium Fluoride in Solid Rocket Propellants
Author	Subrahmanyam S, Prasad SK, Uttam MC
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SHAR-TN-34-83
Annotation	Describes the influence of lithium fluoride as a burn rate retarder in solid propellant compositions, particularly with respect to its Physiochemical characteristics. Its mechanism of action is also explained.

0612

Title	Involvement of user Agencies in the Programme for the Utilisation of Data from the Indian Remote Sensing Satellite
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-EOS-SP-10-83
Annotation	Presents the IRS programme for using space technology for defined applications in India which is principally aimed at the operationalisation of remote sensing applications in India in the next decade.

0613

Title	Launch Vehicle Technology : A Perspective
Author	Abdul Kalam APJ
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Presents a scenario on the current launch vehicle technology world over, including India.

0614

Title	Measured Performance of Satellite Control Earth Stations of Master Control facility of INSAT-1
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-33-82
Annotation	Brief system description of C/S/VHF band earth stations of INSAT-1 master control facility has been given. Measured performance of C-band satellite control earth stations along with S-band television receive and VHF data transmit stations have been reported.

0615

Title	Minor Constituents in the Middle Atmosphere
Author	Dr. Mitra AP
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-INCOSPAR-SN-03-77. Prepared at the request of the National Committee for Space Research
Annotation	Deals with different experimental measurements of the minor constituents of the middle atmosphere. Both stratospheric and mesospheric concentrations are discussed. The final part gives reference model for equatorial region. An exhaustive bibliography is given.

0616

Title	Model Test Methods for Spacecraft Structures
Author	Samuel R
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TR-41-83
Annotation	The different model test methods are explained in brief with emphasis on signal point random (SPR) method.

0617

Title	Model Equatorial Atmosphere over the Indian Zone from 0 to 80 Km
Author	Sasi MN, Sengupta K
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-SR-19-79
Annotation	Method of analysis of the data obtained for four low latitude Indian stations Trivandrum, Minicoy, Portblair and Madras and evolving of the errors and uncertainities in the model values etc. are discussed. Model values of temperature, pressure and density are also given.

0618

Title	Monocular Electro Optical Stereo Scanner (MEOSS). ISRO-SAC-SR-28-87
Author	Agarwal VK, Ramani R, Patel RM, Ilanthirayan S
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Proposed Experiment on Satellite Stereoscopy - Simulations and Utility Potential.
Annotation	India is proposing to launch on board ASLV-SROSS-2, an experiment in collaboration with West German Space Organisation, DFVLR, capable of viewing earth stereoscopically in a single spectral band. The data is planned to be used extensively for digital terrain modelling and cloud stereoscopy.

0619

Title	Monsoon Experiment (MONEX)
Author	Dr. Das PK
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SN-08-79
Annotation	Gives a glimpse of the results of a year long monsoon experiment organised by the International Scientific Community as a part of the global atmospheric research programme.

0620

Title	National Natural Resources Management Systems (NNRMS)
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-EOS-SP-08-83
Annotation	Gives the national seminar resolution on the basis of the fact that management of the natural resources of the country is very essential. List of participants are also given.

0621

Title	Near Earth Satellite Lifetime : Study with Oblate Rotating Atmosphere
Author	Sharma RK, Subbarao PV
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TR-42-84
Annotation	Study of an estimate of orbital lifetime for near earth satellites, utilizing the analytical approach of Cook, King-Hele and Walker for secular changes of the semi-major axis and eccentricity per revolution in an oblate rotating atmosphere is presented.

0622

Title	Near Earth Satellite Lifetime Prediction and Injection Altitude Selection
Author	Biswas KK, Thirumalai K, Venkataraman NS
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TR-29-82
Annotation	Selection of an optimum injection altitude, allowing the maximum injection angle error, for a specified lifetime has been discussed.

0623

Title	Night-time Equatorial Ionospheric Scintillations
Author	Moorthy KK, Reddy CR, Murthy BVK
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-SR-17-78
Annotation	Main results of the study of equatorial night-time ionospheric scintillations carried out at Thumba using the data collected during period of one year (1 August 1975 to 31 July 1976) are briefed here.

0624

Title	Nonlinear Parameter Estimation of Nozzel Materials
Author	Pillai BC, Jacob S
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TR-52-79
Annotation	Presents a method for evaluating some of the significant thermo-physical properties of ablative materials using the method of nonlinear regression.

0625

Title	Ocean Information System with Remote Sensing Inputs
Author	Manikiam B
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-NNRMS-TN-33-85
Annotation	A timely and accurate ocean information system with remote sensing inputs , for the proper exploration of the ocean resources has been suggested here.

0626

Title	Oceanic Emission Characteristics at 19GHZ as observed by Samir on Board Bhaskara in the Spin-scanned Mode
Author	Raju G
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-25-82
Annotation	This is an attempt to study the problem combined with dependence of sea surface emission on the look angles at 19GHZ around the Indian subcontinent.

0627

Title	Optical Coatings for Space Applications
Author	Thutupalli GKM, Nagendra CL
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TR-70-88
Annotation	Discusses theoretical and experimental studies on optical coatings and their usefulness for space applications. Following a survey of various optical coatings for space-borne systems, a detailed discussion on optical properties of materials is presented.

0628

Title	Orbit Determination support for ISRO Satellite Missions
Author	Sinha SR
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-HQ-TN-20-82
Annotation	The software packages like SOIP, ORIGIN, ODPM and SEGNIP developed by ISRO for orbit determination and prediction were employed during the Bhaskara, Rohini and Apple. The software packages are described. Results obtained were compared with those of some operational ones used at ESA, NASA.

0629

Title	Orbit Selection for Earth Resources Satellites
Author	Singh CKR, Rajaram S, Goel PS
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TN-05-77
Annotation	Deals with determination of orbit parameters for earth resources satellites. The basic concepts of satellite orbits, such as, the elements of orbits and effects of the asphericity of the earth on orbital elements are explained. The factors affecting the life of the orbit are also discussed.

0630

Title	Orbit and attitude refinement using RSD2 Landmark Data
Author	Sheela BV, Padmanaban P, Nagarajan N
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TR-35-83
Annotation	Results of extensive simulation studies comprising various trend analysis are reported followed by findings of applying the software to actual RSD2 data. A methodology for orbit and attitude parameter refinement of RSD2 Satellite using landmark data extracted from its imagery is briefly described.

0631

Title	Passive Nutation Dampers for Spinning Satellites
Author	Malik NK, Goel PS
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TN-06-77
Annotation	Describes how the coning motion of an inherently stable spinning satellite can be damped out by passive mechanism, where the energy dissipation takes place due to the friction between the two relatively moving bodies.

0632

Title	Pre-processing Methods for Post-Flight Analysis
Author	Ramani S, Menon KAP, Sundararajan S
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TN-08-78
Annotation	The aim here is to present an account of both the methodology developed to retrieve the information content subsisting in the noisy digitized data, and the aspects and applications of the program package for processing the raw data by digital computers.

0633

Title	Prelimcnary Analysis of Shuttle Image Radar Data (SIR-A)
Author	Sood RK, Mehta NS, Bakliwal PC
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-39-84
Annotation	Comprises the results of the first phase of the study of SIR-A data carried out over the western part in collaboration with the Geological Survey of India, Western Region, Jaipur.

0634

Title	Pricing of Spin-Off Technologies. ISRO-TTG-CR-01-79
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Study conducted by Indian Institute of Management , Bangalore.
Annotation	Elucidates within a broad framework of economic analysis, a number of major issues and complexities that relate to determining the selling price of those technologies that spin-off from R&D activity at ISRO which are sought to be transferred to enterprises in public and private sector.

0635

Title	Processing of Materials in Space
Author	Ramaseshan S
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SN-04-78
Annotation	States some of the advantages and disadvantages of preparing materials in space. It briefly reviews some of the Skylab and APOLLO-SOYUZ experiments. It also suggests possible types of experiments that one could do in space.

0636

Title	Radiography of Large Solid Rocket Motors with Linac
Author	Subbaiah C, Rao KV, Viswanathan K, Uttam MC
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SHAR-TN-38-86
Annotation	Radiography is an important technique for detection of various flaws in rocket motors and components, like cavities, blow holes, cracks, etc. A high energy x-ray machine with high output, linac, is used for final qualification of rocket motors.

0637

Title	Reclamation of Waste Water and Refuse
Author	John R D, Venkatraman R, Channabasappa S P
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-CED-TR-61-86
Annotation	Highlights the specific needs for conservation of fresh water sources by resorting to recycling of waste waters and refusing the same for non-portable purposes.

0638

Title	Relationship of Radiometric and Biometric Parameters in Moisture - Stressed Wheat
Author	Singh TP, Patel NK, Navalgund RR, Sahai B
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-22-82
Annotation	Gives the results of radiance measurements over six wheat plots subjected to a differential irrigation schedule. This has been done using indigenously developed seven-band ground truth radiometer and a commercially available four-band radiometer through out their growth cycle.

0639

Title	Remote Sensing as an Aid in Mairne Biological Studies : A Perspective
Author	Sudarshan N
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-NNRMS-TN-39-86
Annotation	With the advent of remote sensing technology in recent years, there has been a spurt of activity in regard of this application to the thematic research. This report examines the in-situ features that are amenable for remote sensing and overviews the prospect in the field of research.

0640

Title	Remote Sensing in India
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-TR-14-81
Annotation	Discussion about the progress of remote sensing activities in India is presented here.

0641

Title	Remote Sensing in India
Author	Rajan YS, Behera G, Manikiam B, Krishnamurthy J, Rao VR
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Discussion about the progress of remote sensing activities in India is presented here.

0642

Title	Remote Sensing in India 1982
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-TR-24-82
Annotation	Remote sensing activities in India have reached a major milestone with the approval of the Indian remote sensing (IRS) satellite schedule for launch in 1985/1986. The results are briefly reported here.

0643

Title	Remote Sensing of Oceans
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-TR-21-82
Annotation	Comprises five papers on remote sensing of oceans which are based on the talk delivered by Department of Space scientists at the engineers India limited, new delhi on May 10th and 11th, 1972.

0644

Title	Remote Sensing of Sriharikota Island : An Experimental Study
Author	Uni INVM
Publisher	ISRO
Place	Bangalore
Type	Technical Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-02-76
Annotation	Gives a brief summary of the results of a remote sensing experiment which was conducted over Sriharikota Island in Andhra Pradesh in the last week of November 1973.

0645

Title	Report on Holography Facility
Author	Rao MV, Kesavan V
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-37-82
Annotation	The holography facility at ISAC has a 50 MW helium-neon gas laser and is used for holographic non-destructive testing (HNDT), vibration studies and surface displacement measurement of different structural components. Also provides information about important optical components.

0646

Title	Retrieval Software for Sea Surface Temperature from NOAA Series Satellites
Author	Murthy DGK, Bhaduri L, Mathur A, Sudha V, Agarwal VK
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TN-28-84
Annotation	Describes the operational processing software available on VAX-11/780 at SPA for the retrieval of sea surface temperature through multispectral approach using data from advanced very high resolution radiometer and trios opertational vertical sounder(TOVS) on board the NOAA series of OMS.

0647

Title	Satellite Instructional Television Experiment : Impact of SITE on Primary School Children
Author	Shukla S, Kumar K
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-10-77
Annotation	Describes a study that was planned to evaluate the impact of SITE on primary school children.

0648

Title	Satellite Instructional Television Experiment : Media Utilisation
Author	Bhatia BS, Chauhan A
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-08-77
Annotation	This study attempts at experimentally establishing the effect of providing a follow-up support to messages communicated through television.

0649

Title	Satellite Instructional Television Experiment : Social Evaluation - Impact on Adults , Part 1
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-07-77
Annotation	Describes a large scale survey of adults, to measure the social impact of the satellite instructional television experiment (SITE).

0650

Title	Satellite Instructional Television Experiment : Technical Evaluation of the Ground Segment
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-06-77
Annotation	Presents the overall technical evaluation of satellite instructional television experiment (SITE) ground segment hardware and provides inputs for future applications of related nature.

0651

Title	Satellite Instructional Television Experiment : Television comes to Village- An Evaluation of SITE
Author	Agarwal BC
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-09-78
Annotation	Describes India's satellite instructional television experiment (SITE) which was conducted from August 1, 1975 to July 31, 1976 in 2330 villages, spanning 20 districts of six states and in 355 villages of Kheda district, in Gujarat.

0652

Title	Second order Shock Expansion Method for various Geometries of Rocket bodies
Author	Goyal VK
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TR-05-77
Annotation	Discusses the second order shock expansion method for various geometries of rocket bodies.

0653

Title	Shadow of Moon and Earth On Geostationary Satellite
Author	Rauthan DB, Garg VK
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-INSAT-TR-31-84
Annotation	The shadow of the moon and earth on geostationary satellites are discussed. The analytical expressions and conditions for the shadow are presented. Predicted and measured results for moon's shadow on INSAT-1B are also discussed.

0654

Title	Software package "OPTOSOFT" for Design of Optical Coatings
Author	Annapurna MN, Nagendra CL, Thutupalli GKM
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TR-71-88
Annotation	Discusses about a comprehensive software package code named "OPTOSOFT" which is used for design of thin film systems such as arcs, filters, reflectors and dichroics and for the study of optical properties of materials.

0655

Title	Solar Cycle of Sounding Rocket programme from Thumba
Author	Narayan MS
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-HQ-SR-04-76
Annotation	Deals with the scientific results obtained from more than 385 rocket experiments conducted from Thumba Equatorial Rocket Launching Station (TERLS) during the period November, 1963 to December, 1975. Summarises the facilities available at Thumba range, various types of sounding rockets launched etc.

0656

Title	Solar Spectral Irradiance, Photo absorption Cross-sections, Photo-chemical, Chemical, Ion-chemical reactions and reaction rate constants
Author	Deshpande SD, Mitra AP
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-IMAP-SR-11-83
Annotation	Compiles solar spectral irradiance and related atmospheric data based on recent work carried out and results obtained by various scientists. The data presented include solar spectral irradiance in UV and X-Ray region, UV and Visible region and recommended rate constants of various reactions.

0657

Title	Sounding Rockets of ISRO
Author	Sudhakar V
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TN-02-76
Annotation	Describes the development and production of the sounding rockets and payload systems.

0658

Title	Space Science Research in India Part 1 : Earth's Environment and Geomagentism
Author	Sharma P, Sharma DP, Narayanan MS, Mattoo SK
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SR-06-78
Annotation	Deals with the space science research activities currently being pursued at various institutions in the country and summarises the important scientific results obtained during the past decade (1965 onwards).

0659

Title	Space Segment, Data Acquisition and Interpretation Facilities for Remote Sensing on ISRO/DOS
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-TR-18-81
Annotation	Consists of papers presented by ISRO/ DOS scientists at the 2nd Asian Conference on remote sensing, held at Beijing, China. These papers deal with indigenous development of various hardware systems, development carried out in ISRO/DOS .

0660

Title	Space and Drought Management
Author	
Publisher	ISRO, DOS
Place	Bangalore
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Current Event Session IV, 39th IAF Congress, Bangalore, Special Publication-ISRO-44-89
Annotation	Contains four papers on drought management into which satellite data can be integrated to provide spatial and temporal patterns of drought indicators, overview of space desertification and drought management in Argentina, capability of low resolution data from NOAA/AVHRR and Nimbus for Vegetation etc.

0661

Title	Spread Spectrum Multiple Access Experiment via APPLE
Author	Lal PMC
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-43-82
Annotation	Describes the background, history, state of art of spread spectrum technique. It explains the working of DS spread spectrum system along with the synchronization technique generally employed. It also describes the SSMA experiments conducted via APPLE and results obtained.

0662

Title	Standards on Constants and Astrodynamic Nomenclature : Scan 85
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-HQ-SP-16-85
Annotation	Contains the recommendations of the scan committee on the standards and constants to be used in the area of Astronautics. The use of coordinate frames and systems of time references is standardised. The general nature of aerodynamic forces are also discussed.

0663

Title	Strength and Failure mode Correlation Distribution in Kevlar/Epoxy Composite
Author	Jacob E, Diwakar V, Arumugam S
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TN-31-82
Annotation	Brings out the results and observations made on about hundred Nos. of kevlar/epoxy specimens using the NOL ring method. The frequency distribution of the strength and the mode of failures have been highlighted and correlation drawn between strength and failure mode.

0664

Title	Studies on the Effect of Heat Treatment Parameters on the Properties of 10-12mm Thick 15CDV Steel Plate
Author	Sinha PP, Murthy MSP, Ghosh BR, Mittal MC
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TR-36-80
Annotation	The study brings out the effects of various quenching media like water oil and air and quench delays upto 325 secs and on structures and mechanical properties of 10-12MM thick 15CDV steel plates.

0665

Title	Study of Waves in the Oh-Emissive Layer. ISRO-PRL-SR-12-82
Author	Prakash S, Muralikrishna P, Subbaraya BH, Kulkarni OV
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-CNES collaborative experiment on the first Spacelab.
Annotation	Deals with the spacelab currently scheduled to be flown on a NASA space shuttle during September, 1983 will carry an instrument to photograph the Oh-emissions from the mesosphere and study the wave motions in that region.

0666

Title	Study on Separation Dynamics of APPLE
Author	Lochan R, Biswas KK, Sasidharan KG
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TR-15-78
Annotation	Presnet analysis has been evolved to tackle the problems of multistep separations of APPLE. The analysis has been specially treated with reference to APPLE seperation.

0667

Title	Summary Proceedings of the Workshop on Electronics in Space, March 10-12, 1983
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-EPO-SP-05-83
Annotation	This document consists of the workshop on Electronics i. e. in which direction the electronics technology should grow in India and also in general.

0668

Title	Sun Interference Outrage of Satellite Earth Station Antenna
Author	Garg VK, Rautham DB, Kasiviswanathan GA
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-INSAT-TN-25-83
Annotation	When sun appears in the direction of an earth station antenna pointing at (Geosynchronous) satellite, there is considerable degradation of signal reception, caused by radiation from sun. Factors for assessing the amount of such degradation and the time duration of such occurrence are discussed.

0669

Title	Supersonic Uniform or Non-Uniform Flow Past Concave Blunt Bodies and Flat Headed Cylinder
Author	Saxena SK
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TR-38-77
Annotation	Presents an analysis of axissymmetric supersonic uniform or non-uniform flow past concave or convex blunt bodies and flat headed cylinder, using method of integral relations to obtain one strip approximate solution in the subsonic region.

0670

Title	Surface Roughness and its Measurement
Author	Daniel M, Ramanathan R, Somaraju P
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SHAR-TR-73-84
Annotation	Roughness is an important factor in surface preparation of rocket hardwares. Related definitions and measurements of surface roughness using Surftest-3 and Surfcorder-178-701 B are given.

0671

Title	System Optimization studies on Satellite based Rural Telecommunication Networks
Author	Venugopal D, Narayanan K
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SAC-TR-50-82
Annotation	The extent of a rural satellite telecommunications network in an overall domestic network is defined. The desirable features of low cost terminal system and general choice of terminal size , equipment are discussed. The impact of satellite gain on earth station and satellite EIRP is analysed.

0672

Title	The effects of Ambient Pressure on the variation of Thermal Conductivity of FRP Material with Temperature
Author	Nair KN, Murthy MR
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TN-27-80
Annotation	An experimental study has been carried out to determine the variation of thermal conductivity with variation in temperature and ambient pressure of FRP laminates, used for SLV-3 heat shield. The study indicates that for FRP materials, thermal conductivity increases with temperature.

0673

Title	Thermal Control Coating Experiment on Board Bhaskara
Author	Bhandari DR
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-ISAC-TN-18-80
Annotation	Describes the test package flown on board bhaskara for evaluating the effect of exposure to near earth space environment on thermal control coatings, black paint B-105 and white paint W-116, indigeneously developed by propellant engineering divison of VSSC(ISRO), Trivandrum.

0674

Title	Total Electron content Data collected during ATS-6 Radio Beacon experiments in India (August 1975 to July 1976)
Author	
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-SN-07-78
Annotation	This data bulletin includes all the data received so far at ISRO headquarters on total electron content which was collected during ATS-6 radio beacon experiments in India.

0675

Title	Total Ionospheric Absorption at the Magnetic Equator
Author	Parameswaran K
Publisher	ISRO
Place	Bangalore
Type	Scientifc Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-SR-07-78
Annotation	Results of a study of equatorial Ionospheric Absorption of radiowaves employing Riometer technique are presented. Brief Introduction of the subject and a survey of existing literatures are also given. The experimental set up used has been described.

0676

Title	Tropospheric and Stratospheric Winds over Hyderabad
Author	Kumar S, Nagpal OP
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-IMAP-SR-18-84
Annotation	Deals with consolidation of wind data over Hyderabad for the period January, 1977 to December, 1983 to provide reference wind profiles for troposphere and lower stratospheric heights. Wind variability in some selected months is also shown.

0677

Title	Viscoelastic Analysis of Launch Vehicle Grains for Internal Pressure
Author	Jana MK
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-VSSC-TR-17-79
Annotation	The nature of variations of stresses obtained from the viscoelastic analysis of launch vehicle grains is presented. Also the three finite element formulations for viscoelastic analysis of launch vehicle grains are presented.

0678

Title	Window for Optical Remote Sensing Simulation for Cloud-free Coverage
Author	Lalitha L, Rao VR
Publisher	ISRO
Place	Bangalore
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	ISRO-HQ-17-80
Annotation	Eight distinct Homogeneous regions for cloud-cover are identified in India considering the cloud probability distributions. Requirements for repetitivity for annual coverage of the entire country is discussed.

DRDO

Defence Research & Development Organisation

V. 11

Records: 0679 — 0709

0679

Title	A Central Resource for Scientific Information
Author	
Publisher	DRDO
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives the organisational chart of DESIDOC, its library facilities, its efforts in communicating defence science and its network, how it is meeting the challenge of information explosion, and the information packages available.

0680

Title	AGLIS Course Material : Training Programme on CDS/ISIS Software Package
Author	
Publisher	AGLIS, C/o DESIDOC
Place	Delhi
Type	Course Material
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Training Programme held at DESIDOC from 7-12 March, 1988 and sponsored by NISSAT.
Annotation	Discusses the utility of Computers in Library and Information Services, Software Packages available for the same and the Search Language for CDS/ISIS.

0681

Title	ARDB Newsletter, VI-1988
Author	
Publisher	AEROSPACE INFORMATION PANEL, AERONAUTICS R&D BOARD
Place	Delhi
Type	Newsletter
Class	Open
Price	Not Priced
Frequency	Bi-monthly
Year	1988
Notes	Previously known as AIP Newsletter
Annotation	Highlights the Important Events, Projects & Activities (Current & Forthcoming) alongwith dissemination of upto date information in the field of Aeronautics.

0682

Title	Advanced Technology for Civil Application
Author	
Publisher	DRDO, Ministry of Defence
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Describes 140 techniques grouped into 13 categories like Agriculture, Clothing, Footwear, Electronics, Chemical Products, Health etc. Provides a brief description, laboratory, where it is developed, specifications, application area etc.

0683

Title	Bibliographic Databases and Networks: Papers presented at the International Conference, New Delhi
Author	
Publisher	DESIDOC
Place	Delhi
Type	Conference Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Edited by Murthy, SS, Anuradha Ravi and Lakshmana Moorthy, A
Annotation	Compilation of papers presented by eminent library & information science specialists from India and abroad at the International Conference on Bibliographic Databases & Networks. Proceedings will be published shortly.

0684

Title	DESIDOC 1980-86 : A Progress Report
Author	
Publisher	DESIDOC
Place	Delhi
Type	Progress Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Gives an Overview of the Objectives, Activities and Services of DESIDOC.

0685

Title	DESIDOC : A Central Resource for Scientific Information
Author	
Publisher	DESIDOC
Place	Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Gives an Overview of the Various Activities & Services of DESIDOC.

0686

Title	DESIDOC : A Nerve Centre for Information
Author	
Publisher	DESIDOC
Place	Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Highlights briefly the Major Activities of DESIDOC.

0687

Title	DESIDOC Bulletin - VI, 1981
Author	
Publisher	DESIDOC
Place	Delhi
Type	Journal
Class	Open
Price	Not Priced
Frequency	Bi-monthly
Year	1987
Notes	
Annotation	Brings out Activities & Services rendered by DESIDOC, also gives an article on Current Topics of Information Science & Technology

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0688

Title	DESIDOC Trans, Index VI-1980
Author	
Publisher	DESIDOC
Place	Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	Compiled by Chakraborty A and Saxena S C, DESIDOC Translation Bank.
Annotation	Indexes Translations done at or procured by DESIDOC. Entries are arranged Alphabetically by authors under appropriate Subject Headings. Indexes of Author, Source, Subject & Translation are given.

0689

Title	DRDO Facilities
Author	
Publisher	DRDO
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	In Two Volumes - vol 1: Sheets A to G, vol 2 : Sheets
Annotation	This is a compilation of the salient data on test facilities located in different establishments of DRDO, classified as Aerodynamics, Explosives, Ballastics, Materials, Optical & Opto-elctronics etc. Each sheet gives a brief introduction, major equipment, investment, status & contact point.

0690

Title	DRDO Newsletter 1981
Author	
Publisher	DESIDOC
Place	Delhi
Type	Newsletter
Class	Open
Price	Not Priced
Frequency	Bi-monthly
Year	1988
Notes	A House Bulletin of DRDO
Annotation	Incorporates all Major Current News and Events including important forth-coming events of DRDO.

0691

Title	Defence Library Management System (DELMS) Version 1:Reference Manual
Author	
Publisher	DESIDOC
Place	New Delhi
Type	Manual
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Mimeograph
Annotation	DELMS is a computer based system for bibliographic, library management, reference manual; includes data base creation for card catalogue preparation, accession list, circulation control & serial control.

0692

Title	Defence Library Management System DELMS Ver(1.0) Instruction Manual
Author	
Publisher	DESIDOC
Place	New Delhi
Type	Manual
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Mimeograph
Annotation	Management system for library automation includes instruction manual for data entry.

0693

Title	Defence Research and Development : Products, Processes, Technologies
Author	
Publisher	DESIDOC
Place	Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	This Guide was released on the occasion of the Joint Service Commander's Conference
Annotation	The Guide is a maiden attempt to compile the Defence R&D Activities & Achievements. It is divided into 12 Sections, include various products, technologies, facilities & systems. Each item is described briefly alongwith a Photograph.

0694

Title	Defence Science Alerts VI
Author	
Publisher	DESIDOC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1987
Notes	Mimeograph
Annotation	Current awareness list in computers and systems studies, electronics, materials-technology, naval systems, rockets, missiles, training and information methods.

0695

Title	Defence Science Journal VI-19
Author	
Publisher	DESIDOC
Place	Delhi
Type	Journal
Class	Open
Price	Rs.15
Frequency	Quarterly
Year	1983
Notes	Also Publishes some Special Issues Periodically
Annotation	The Journal publishes Research papers in the various disciplines of Science & Technology, review papers, short Communications & Research Notes of interest to Defence S&T are also included.

0696

Title	Guidelines for DRDO Newsletter Correspondents-1987
Author	
Publisher	DESIDOC
Place	New Delhi
Type	Newsletter
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Compiled by PG Krishnamurthy and DS Bedi
Annotation	Outlines, guidelines for the presentation and despatch of information under various categories, for publication in DRDO Newsletter.

0697

Title	Index of Publication of DESIDOC Scientists : 1979-80 to 1984-85
Author	
Publisher	DESIDOC
Place	Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Produced by the Research Division, DESIDOC
Annotation	Publications are listed Alphabetically under appropriate Subject Headings with an Author Index and a Subject Index at the end.

0698

Title	List of Current Periodicals 1987
Author	
Publisher	DESIDOC
Place	New Delhi
Type	List
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Lists 724 Current Journals received by Defence Science Library, DESIDOC.

0699

Title	List of Holdings of Periodicals in Defence Science Library
Author	
Publisher	DESIDOC
Place	New Delhi
Type	List
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1982
Notes	Also includes Proceedings, Transactions, Bulletins of Learned Bodies and Governmet Departments.
Annotation	Lists Periodical Catalogue serial holdings covering about 21 Subjects of Defence Science Library consisting two parts, the main part listing titles by A-Z with Bibliographical Collation and the other part is the Classified Index.

0700

Title	National Conference on Scientific Information for Defence : Conference Proceedings
Author	
Publisher	DESIDOC
Place	Delhi
Type	Conference Proceedings
Class	Open
Price	Rs.46
Frequency	One Time
Year	1988
Notes	Held at Vigyan Bhavan from 25-26 February, 1986
Annotation	Contributions cover Generation, Handlings, Processing & Utilization of information and are arranged under Various Heads. A list of Participants is included.

0701

Title	Proposed output format for Library Automation Package
Author	
Publisher	DESIDOC
Place	New Delhi
Type	Manual
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Mimeograph
Annotation	The Proposed System contains Outputs for Online Search, Acquisition, Circulation, and Serials Control.

0702

Title	R&D Digest-1960
Author	
Publisher	DESIDOC
Place	New Delhi
Type	Journal
Class	Classified
Price	Not Priced
Frequency	Bi-monthly
Year	1988
Notes	
Annotation	Highlights of Important Scientific and Technological Developments of Defence Interest.

0703

Title	Science Abstracts from Foreign Language Journals, VI-1977
Author	
Publisher	DESIDOC
Place	Delhi
Type	Journal
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	1987
Notes	
Annotation	Topics covered are of scientific interest to Defence R&D. Articles are taken from Russian, German, French & Japanese Journals.

0704

Title	Seminar on Defence Science Information Network (DESINET) : Seminar Papers
Author	
Publisher	DESIDOC
Place	Delhi
Type	Workshop Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Held at Metcalfe House from 17-18 February, 1987
Annotation	The Main theme is Library Networks - Utility and Development, specially sharing of Resources between Libraries is discussed.

0705

Title	Supervision : A Kaledaoscope of Principles, Practices, Practitioners :Popular Viable Science & Technology Series (Restarted from 1985)
Author	Swaminathan, R and Tiwari AK
Publisher	DESIDOC
Place	Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1960
Notes	The Authors are from DRDL, Hyderabad. Introduction is by A P J Abdul Kalam
Annotation	Each issue of PST is devoted to a Particular Subject/Discipline of Current Interest. The presentation of material is in Non-Technical Language.

0706

Title	Towards Self-Reliance in Defence - A Silver Saga
Author	
Publisher	DESIDOC
Place	Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1982
Notes	
Annotation	Gives an overview of DRDO-its History, Development, Activities & Services. Scientific & Research activities in various fields carried out in various Laboratories is discussed briefly.

0707

Title	Union Catalogue of Aerospace Periodicals 1988
Author	
Publisher	DESIDOC
Place	New Delhi
Type	Union Catalogue
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Jointly by aerospace information panel, aeronautics R&D board.
Annotation	Gives holdings of 956 titles of aerospace journals in 60 institutions with a classified index participating institution directory & key to classified index.

0708

Title	Union Catalogue of Patents in DRDO Labs/Estts
Author	
Publisher	DESIDOC
Place	New Delhi
Type	Union Catalogue
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Lists about 830 patent holdings of libraries of 9 DRDO laboratories, establishment and directorates arranged in two parts-the main part lists the patent titles with their bibliographical details arranged by UDC and the other part gives author and title index.

0709

Title	Workshop on Universal Decimal Classification (UDC) : Lecture Notes
Author	
Publisher	DESIDOC
Place	Delhi
Type	Workshop Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Workshop held on 10-15 June, 1985 at Institute of Armament Technology, Pune
Annotation	Gives notes on general principles & characteristics of UDC and Updating/ Revision of UDC schedules plus list of books, reports and articles from Journals as exercises for practical classification.

DSIR

Department of Scientific & Industrial Research

V. 12

Records: 0710 — 0765

0710

Title	A Study on Export potential of Medical Equipment and Hospital Consultancy Services
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Prepared by Hospital Services Consultancy Corpn., New Delhi
Annotation	Documents Indian Export Capabilities, various target markets overseas in developing countries where Indian medical equipment and the hospital consultancy services could be exported. Lists & profiles Indian equipment manufacturing firms and hospital consultants.

0711

Title	Annual Plan 1987-88 National Research Development Corporation
Author	
Publisher	NRDC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Part A of the report deals with the new approach to NRDC's programmes, part B with financial proposals and part C with three schemes supported by DSIR-transfer of technology, promotion of rural technology, export of technology and informatics for technology transfer.

0712

Title	Annual Report 1987-88
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	
Notes	
Annotation	Describes the CSIR thrust areas, expertise, scientific research associations, industrial R&D, technology transfer, NRDC linkage, central electronics limited and NISSAT. Eight annexures are given.

0713

Title	Compendium on In-house R&D Centres
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1986
Notes	First volume was brought out in 1985 covering 193 in-house R&D units
Annotation	Gives particulars of 132 in-house R&D units recognised by DSIR, the infrastructure, import substitution, technology absorption and improvement, R&D expenditure etc. The R&D centres classified into six groups.

0714

Title	Compendium on In-house R&D Centres
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1987
Notes	First volume was brought out in 1985 covering 193 in-house R&D units
Annotation	Gives particulars of 209 in-house R&D units recognised by DSIR, the infrastructure, import substitution, technology absorption and improvement in R&D expenditure etc. The R&D centres classified into seven groups.

0715

Title	Compendium on In-house R&D Centres (Chemical and Allied Industries)
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1988
Notes	First volume was brought out in 1985 covering 193 in-house R&D units
Annotation	Gives particulars of 589 in-house R&D units recognised by DSIR, the infrastructure, import substitution, technology absorption and improvement in R&D expeniture etc. The R&D centres classified into four groups.

0716

Title	Compendium on In-house R&D Centres (Mechanical and Automotive Industries)
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1988
Notes	Contents of three other volumes listed at the end
Annotation	Lists 115 firms in automotive and mechanical sector giving particulars of history, product range, annual turnover, collaborations, R&D set up, R&D achievements etc.

0717

Title	Compendium on In-house R&D Centres (Processing Industries and Others)
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1988
Notes	Contents of three other volumes listed at the end
Annotation	Lists 55 firms in metallurgy, 8 in paper and pulp, 24 in textiles and 47 other areas, giving particulars of history, product range, annual turnover, collaborations, R&D setup, R&D achevements etc.

0718

Title	Compendium on In-house R&D Centres (Electrical and Electronics Industries)
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1988
Notes	Contents of three other volumes listed at the end
Annotation	Lists 140 firms in electrical and electronic fields giving particulars of history, product range, annual turnover, collabortions, R&D setup, R&D achievements etc.

0719

Title	Compendium on Technology Export Capabilities (Selected Mechanical Engineering Products)
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	Prepared by the National Industrial Development Corporation Ltd; New Delhi
Annotation	Gives the detailed analysis of the capacities and capabilities of Indian companies for export of Technology in Engineering Sector covering selected mechanical engineering products grouped under L/Heavy Struct. Fabrication, Conveying and material handling, automative, Bicycle components, pumps etc.

0720

Title	Construction Machines and Equipment manufactured in India
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Prepared by National Institute of Construction Management and Research, Bombay
Annotation	Presents the status of construction used for earth moving, foundation engineering, soil compaction, Lifting, concrete mixing, handling, road making etc. Tables contain, data on specifications, value, manufacturing capacity and production. Nine appendices give classification of equipment etc.

0721

Title	Directory of Consultancy Organisations
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	A compilation under `transfer & trading in technology' scheme of DSIR
Annotation	Compiled by federation of Indian export organisations and NRDC, describes over 75 leading consultancy firms. Concise information on organisational setup, specialisation and important activities being undertaken in India and abroad is given.

0722

Title	Directory of Experts on Technology Import
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Compilation under national collaborations
Annotation	Contains listing of 161 experts with experience in technology import. Name, designation, address, education, experience in technology import etc. are given. Nine annexures provide indexes industry-wise like petroleum, transport, industrial machinery etc.

0723

Title	Directory of Industries Based on Indigenous Technology
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Contains information on 52 de-licensed items developed by indigenous laboratories. Name of the company, location, investment planned, process/technology, use/applications, name of the laboratory, present status etc.

0724

Title	Directory of R&D Institutions
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Contains R&D institutions in central government, state government, universities and private industries. The R&D institutions have been further classified as state/union territory-wise. In-house R&D units have also been listed.

0725

Title	Directory of Recognised In-house R&D Units
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1985
Notes	
Annotation	Lists 877 in-house R&D units giving their registration number, address, location, date of validity of recognition.

0726

Title	Directory of Recognised In-house R&D Units
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1986
Notes	
Annotation	Lists 943 in-house R&D units giving their registration number, address, location, date of validity of recognition.

0727

Title	Directory of Recognised In-house R&D Units
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1987
Notes	Fourth revision
Annotation	A reference source for R&D units of industry arranged alphabetically, location of the R&D unit, name and address of the firm, registration number and expiry date are given for 1015 entries.

0728

Title	Food Digest 1988 - Vol.1
Author	
Publisher	CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE
Place	Mysore
Type	Journal
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	1988
Notes	Brought out along with NISSAT
Annotation	Extracts from press reports and semi-technical journals like industrial products finder, invention intelligence etc. are given on 13 topics like raw materials, food additives, equipment and machinery, food regulation etc. Subject index is provided.

0729

Title	Foreign Collaborations 1981
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	A compilation from national register of foreign collaborations
Annotation	Gives an overview of the various foreign collaborations entered into by Indian industry in 1981, names and addresses of collaborating parties, item of manufacture, brief terms, turnover and royalty country-wise and industry-wise statistics.

0730

Title	Foreign Collaborations, 1986 (A Compilation: National Register of Foreign Collaborations)
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Classified
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Documents the details of approvals for collaborations granted during the year 1986. The collaborations have been arranged sector-wise, like, industrial machinery, electrical & electronics, machine tools, metallurgical industries etc.

0731

Title	In-house R&D in Industry
Author	
Publisher	DSIR
Place	New Delhi
Type	Newsletter
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1988
Notes	For restricted circulation
Annotation	Provides information on the activities of DSIR in the promotion of in-house R&D in industries, forthcoming seminars, new R&D units recognised, fiscal policy measures etc.

0732

Title	In-house Research and Development in Tractor Industry
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives in five chapters the status of tractortechnology in India, in-house R&D capabilities and achievemets, absorption and adoption of technology etc.

0733

Title	Infrasture Consultancy
Author	
Publisher	Consultancy Development Centre
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Published by CDC, DSIR under their Scheme "Promotion and Support to Consultancy Services".
Annotation	Briefly outlines the capability of Indian Consultancy organisations in the area of infrastructure which includes Energy, Railways, Roads, Airways, Ports and Harbours, Water, Construction and Communication. The Achievements of Consultancy Organisations are also highlighted in the Brochure

0734

Title	Leads and Lags in Technology Need for Emphasising & Integrating Technology Trade in Trade Policy
Author	
Publisher	DSIR
Place	New Delhi
Type	Article
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Reprinted from 'Economy & Trade', Oct-Nov. 1984
Annotation	Subject matter 15 dealt through 12 articles. Technologies exported through NRDC, consultancy exports to various countries, technology trade opportunity in Afro-Asian countries etc. are given.

0735

Title	NISSAT Newsletter
Author	
Publisher	DSIR
Place	New Delhi
Type	Newsletter
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	1988
Notes	Editor R D Taneja
Annotation	Copntains short articles on science and technology information, S&T information systems, NISSAT news, book reviews, CDS-ISIS users list. Also disseminates information on the programmes and activities of NISSAT and its centres. Projects major developments.

0736

Title	National Awards for R&D Efforts in Industry, 1987
Author	
Publisher	DSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Describes the five awards instituted by DSIR to provide recognition to the efforts of industry towards R&D, eligibility conditions, how to apply etc.

0737

Title	National Awards for R&D Efforts in Industry, 1988
Author	
Publisher	DSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives the background applications and evaluation procedures of the national awards for R&D efforts by industries and also includes the citations of the seven award winning firms in 1988

0738

Title	National Information System for Science Technology, NISSAT
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Detailed project report (1985-1990)
Annotation	Gives a review of NISSAT programme including the sectoral centres for the period 1977-85 and projects the activities planned for the seventh plan period 1985-90.

0739

Title	National Register of Foreign Collaboration
Author	
Publisher	DSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Briefly gives the objectives of the national register, its functions and analysis of data carried out.

0740

Title	On Line Services - A Concept Test cum Feasibility Study
Author	
Publisher	NISSAT, DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Prepared by Society for Development Alternatives
Annotation	Presents introduction, status of online services in India, findings of Surveys conducted in two phases, assessment of potential, user groups, identifying target groups and approach for determining indepth study & awareness level in India. In the end, it contains recommendations for online services.

0741

Title	On-line Access to International Databases-Feasibility Report
Author	
Publisher	CMC LTD. AND NISSAT, DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Gives in eight chapters overview of online services, biblographic and factual databases, user needs, objectives and capacity of INDONET etc. An appendix gives INDONET tariff.

0742

Title	Proceedings - Training Workshop How to Engage and use Consultants held on 12-16 September 1988
Author	
Publisher	Consultancy Development Centre
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Organised at Management Development Institute at Gurgaon (Haryana)
Annotation	Contains Proceedings list of participants (27) faculty members. Annexures contain valedictory address by Dr. K V Swaminathan, Adviser, DSIR, Ministry of Science & Technology. Technical Sessions dealt with types of Consultancy, training Consultants, their fees etc.

0743

Title	Profile on Scientific Research Institutions
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Lists ten institutions in the field of agricultural sciences, 25 in medical sciences, and 39 in engineering and other sciences. Brief background, available facilities for research, major achievements, addresses and year of initial approval under income tax act, guidelines for approval given.

0744

Title	Promotion of International R&D Collaboration at the Enterprise/Institutional Level
Author	
Publisher	DSIR
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Issued in December, 1988
Annotation	Discusses objectives, criteria broad areas to encourage international R&D collaboration, Nodal Agency, Procedures & Guidelines. Also presents clearance mechanism & time limits, promotional measures adopted by Govt. etc. Annexures contain various Input/Application/Report forms.

0745

Title	Rationalising Serial Holdings in Special Libraries
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Conducted by Society for Development Alternatives
Annotation	Talks about the study of rationalisation of periodical holdings in special libraries. Discusses objectives, methodology & limitations in this case. Section II, deals with mannual prepared out of this study. Three annexures in the end give development of methodology, readership & Questennarie etc.

0746

Title	Scientific Research Associations & Institutions Notified under Income Tax Act
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Has seven parts listing institutions, universities, colleges approved to obtain donations to undertake R&D in agriculture, medicine, natural and social science etc.; procedures under section 35(1)(ii) and 35(1)(iii) of the act are given in annexure.

0747

Title	Scientific Research and Industrial Development - An Appraisal
Author	
Publisher	DSIR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Based on a Presentation made to the Consultative Committee of Parliament 24.4.87
Annotation	Changes in S&T scene from 1950 till 1987; Landmark events for Technology Growth, Technology from Science, Delivery Systems, New Climate for use of S&T in Industry, Strategy for future are given in the form of Charts, Tables with brief outline on the contribution of CSIR to Industries.

0748

Title	Indian Construction Projects Exporters 1989
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Under TATT Scheme, 321 projects in 13 groups of 54 companies executed during 1975-81.
Annotation	Corporate profiles & Technical strengths of 77 member companies of the Overseas Construction Council of India presented in the directory. Gives information on the capital base, Organisation, Manpower, Specialised work areas & Major projects executed by these companies in overseas & domestic market.

0749

Title	Status Report on Bibliographic Information Processing in India
Author	Sinha MK, Devadasson FJ and Bandyopadhyay DK
Publisher	NISSAT, DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Describes in seven chapters the extent of computerization at various information centres and libraries, world trends, needs and potential for automation etc. and an action programme, includes eight appendices.

0750

Title	Storage and Preservation of Microforms
Author	Avasthi AK
Publisher	NISSAT, DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Discusses the properties and composition of microfilm, storage hazards and protection, processing for permanence, storage etc.

0751

Title	Study on Technology Collaboration Agreements. Volume 2
Author	Chisti S and Sahoo L
Publisher	INDIAN INSTITUTE OF FOREIGN TRADE.
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Reviewed 100 Technology collaboration agreements covering engineering, chemicals and other sectors, analyses legal implications of omissions and commissions, and gives a standardized agreement.

0752

Title	TCOs: The Carriers of Technology Seminar Proceedings
Author	
Publisher	Consultancy Development Centre
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Held on 11th June, 1988. Sponsored by Consultancy Development Centre, Delhi under PSCS Programme of DSIR
Annotation	Contains list of participants, inaugural address, Key note address, presidential address contents of technical session. Five tables in the end contains information on examples export marketing services, Industrial Engg. UN System & Agencies in related areas etc.

0753

Title	Technologies from Public Sector undertakings in India
Author	
Publisher	DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Compiled by National Research Development Corporation
Annotation	Summarizes the capabilities of 52 major public sector organizations in the sphere of technology/project export, the year of establishment, manpower, capital turnover and contact address of each organisation, like, air india to water and power.

0754

Title	Technology Absorption and Adaptation Scheme (TAAS)
Author	
Publisher	DSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Describes the scheme initiated by DSIR, for helping the industry to absorb the imported technologies and improving the level of technology in use in the country. Gives objectives, functions and eligibility to apply for support.

0755

Title	Technology Equipment and Services from Small and Medium Enterprises in India
Author	
Publisher	National Alliance of Young Entreprenuers
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	A profile prepared with the support of Ministry of Science & Technology (DSIR) and IDBI
Annotation	Lists 347 small and medium sized manufacturing enterprises and 362 professional consultancy services with capabilities for technology transfer and export. The industries are grouped as chemicals, electricals, electronics, machine tools etc. Listing provides a write-up on the company's profile.

0756

Title	Technology Evaluation and Norms Study in Electric Lamp Manufacturing Industry
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Draft of a study under technology absorption and adaption scheme
Annotation	Contains seven chapters and 23 annexures dealing with electric lamp manufacturing technology, trends, performance, technological gaps and recommendations. Annexures give lists of lamp manufacturing units, prices of machines, collaboration arrangements.

0757

Title	Technology Evaluation and Norms Study in Paper and Pulp Machinery
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Study prepared under technology absorption and adaptation scheme draft
Annotation	Gives the status of pulp and paper industry and R&D on the subject, International trends in paper and pulp machinery etc.; performance norms are analysed and information gaps are evaluated. Information on energy utilisation, power consumption, technology norms sheets, indian standards are given.

0758

Title	Technology Evaluation in Electric Lamp Industry
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	A Report prepared under Technology Absorption & Adoption Scheme
Annotation	Covers GLS, FTL, HPMVL Lamps & associated components such as shells, tubes, filament, caps etc. Evaluates Indian industry & compares with International trends, highlights technology gaps, programmes & projects requirements to bridge the gaps.

0759

Title	Technology Transfer - Techno-Economic Studies on select Latin American Countries
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Prepared by Centre for Studies on Technology & Trade, New Delhi
Annotation	Presents Information on identifying specific areas and institutions for two-way technology transfer between India, Brazil, Argentina, Mexico and Chile. Gives country profiles, macro-economic indicators, development strategies, trade and balance of payment etc. Has 7 Annexures.

0760

Title	Technology Transfer and Trade
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	A collection of papers dealing with Technology Transfer, its legal aspects, approach & strategies, DRDO & Technology Transfer, CSIR's capabilities in Technology Generation and Transfer. Some case studies are also given.

0761

Title	Technology in Indian Dry Cell Battery Industry
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	A report prepared under the National Register of Foreign Collaborations (NRFC)
Annotation	Discusses status of the Dry Cell Battery Industry, R&D, technology absorption capabilities & facilities. Highlights inputs required to narrow down the identified technological gaps. Also includes technological trends in advanced countries, recommendations to upgrade technologies in use Ten Annexures.

0762

Title	Technology in Indian Handtool Industry
Author	
Publisher	DSIR
Place	New Delhi
Type	Article
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Study prepard under national register of foreign collaborations
Annotation	Gives the status of forged handtool industry, technologies and manufacturing techniques. new inputs required etc.; world trends, market data and details of some foreign companies are also given.

0763

Title	Technology in Indian Photocopier Industry
Author	
Publisher	DSIR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Draft Study under the National Register of Foreign Collaborations
Annotation	Discusses the status of photocopier industry, R&D, technology absorption capabilities and facilities. Report includes technological trends in advanced countries and recommendations to upgrade the level of technology in India. 5 Appendices contain, lists if manufacturers comparison of models etc.

0764

Title	Transfer and Trading in Technology
Author	
Publisher	DSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Contains introduction, activities and objectives of the scheme. Also includes information on submitting proposals.

0765

Title	Union Catalogue of Cover-to-Cover Translated Periodicals
Author	
Publisher	NISSAT, DSIR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Produced by Indian Scientific Translators Association, New Delhi
Annotation	A directory of 215 translated periodicals held by 158 libraries. The entries give title, place of publication, year of start, missing volumes, library where available etc. Five appendices provide list of titles not received in India, participating libraries etc. Index on original title also.

DST

Department of Science & Technology

V.13

Records: 0766 — 0975

0766

Title	A Handbook for New Entrepreneurs
Author	
Publisher	ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA
Place	Ahmedabad
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	With special reference to Science & Technology Target Group
Annotation	Describes topics like how to select project, the incentives and benefits available, management and raising of finance etc.

0767

Title	Advanced Materials National Priorities
Author	
Publisher	SCIENCE ADVISORY COUNCIL TO THE PM, DST
Place	
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	A brief review of worldwide and indigenous developments in selected new materials is made in this report; recommends major programmes in titanium, neodymium-iron-boron, zirconia(ceramics) and carbon, silicon carbide, kevlar fibres and carbon composites. Advanced materials R&D board proposed.

0768

Title	All India Radio Vigyan Vidhi-A Serial on the Method of Science
Author	
Publisher	NCSTC, DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	A new experiment in Integrated Broadcasting; 25 June to 24 September, 1989.
Annotation	13 Part story on Evolution of Man in various languages, to register 1.4 lakh listeners among children, aims at spreading science for all, Core Group to formulate initial project document, envisages supply of low cost 'do-it-yourself' kits to registered listeners so as to appreciate scientific aspects.

0769

Title	An Analysis of Resources by the Chemical and Allied Industry R&D Units, 1982-83
Author	
Publisher	DST
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Deals with the resource input to R&D of the chemicals and allied industry in private and public sectors.

0770

Title	An Approach to a Perspective Plan for 2001 AD : Role of Science and Technology
Author	
Publisher	SCIENCE ADVISORY COUNCIL TO THE PM DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Discusses S&T scenario by 2001 AD, basic issues, S&T in planning in various sectors as population and health food, housing, ecology, energy, transport, communications, materilas, manufacturing, information technology, S&T in industrial development modus operandi & strategies for action

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0771

Title	Annual Report 1985-86
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Contains nine annexures
Annotation	Provides an overview of the activities of DST in the areas of; 1. Science Advisory Committee to the Cabinet, 2. National Biotechnology Board, 3. Science Communication, 4. Science and Technology Promotion, 5. Earth and Engineering Sciences etc.

0772

Title	Annual Report 1987-88
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	Eleven annexures and list of abbreviations are given
Annotation	Describes in 13 chapters the activities of the Department of Science and Technology, Research support, Applied S&T development, Indian Meteorological Department, Survey of India, state councils on S&T etc. are the chapters.

0773

Title	Assistance for Development of State Councils on Science and Technology (1980-85)
Author	
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Contains information on the scheme of providing assistance to state governments on setting up of S&T councils. Gives the objectives, mode of implementation, expected achievements and 32 contact persons and addresses.

0774

Title	Atmospheric Science Panel Report
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Compiled by DST
Annotation	Contains ten chapters giving recommendations on paleo-climatic studies, R&D, Ozone depletion, boundary layers, hailstorm, cloud-physics, monsoon variability, satellite meteorology, numerical modelling etc.

0775

Title	Background Letters on State Councils on Science & Technology
Author	
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Contains four letters written to chief ministers and one written to chief secretaries on setting up and functions of state councils on S&T during the period 1971-1984.

0776

Title	Bharat Jan Vigyan Jatha
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Second October to Seventh November, 1987
Annotation	Brief report of the background, perspective and objective of the Bharat Jan Vigyan Jatha - An experiment in S&T communication. Information on people and agencies that participated in the jatha from 2nd Oct to 7th Nov. 1987 is given.

0777

Title	Blood Prosthetic Interactions
Author	Dr. Jamaluddin M
Publisher	SCTIMST
Place	Trivandrum
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Reports on discovery of a novel Haemoprotein of Platelets, its purification & some properties. Also reports on development & application of a Spectro-photometric Platelet Aggregation Assay.

0778

Title	Case studies of Science & Technology Entrepreneurs - West Bengal
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Study conducted by National Institute Of Small Industry Extension Training, Hyderabad
Annotation	Contains case reports on nine small scale industrial ventures started by S&T persons in West Bengal. One important dimension of the project is the production of video documentaries.

0779

Title	Case studies of Science & Technology Entrepreneurs- Andhra Pradesh
Author	Rao BSS, Durga VK and Sudhana V
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Small Industry Extension Training Institute, Hyderabad, conducted the study.
Annotation	Contains case reports on six small scale industrial ventures started by S&T persons in Andhra Pradesh. A chapter on malady remedy analysis included.

0780

Title	Case studies of Science & Technology Entrepreneurs-Orissa
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Study conducted by National Institute Of Small Industry Extension Training Institute, Hyderabad.
Annotation	Contains case reports on ten small scale industrial ventures started by S&T persons in Orissa. One important dimension of the project is the production of video documentaries.

0781

Title	Chemical Industry in the Year 2000 AD; National Priorities
Author	
Publisher	SCIENCE ADVISORY COUNCIL TO THE PM, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Indian priorities in the area of fertilisers, petro-chemical processing, agro-chemicals, bulk drugs, synthetic detergents, chlorine based chemicals, speciality chemicals, polymers and composites and bio-technology have been highlighted. Thrust areas like fertilisers, synthetic fibres etc. identified.

0782

Title	Colloquium on Transfer of Technology
Author	
Publisher	MINISTRY OF SCIENCE AND TECHNOLOGY
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Colloquium organised by Engineering Promotion Council.
Annotation	Describes briefly India's policy on technical and economic co-operation, bilateral and multilateral relations in S&T, instances of cooperation wtih six countries and an overview of Indian Technological Research.

0783

Title	Compendium of STAC's Activities in Socio-Economic Ministries, Vol. I
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Appendices give composition terms of references of STAC's.
Annotation	Gives details of S&T Advisory Committee activities in two parts. Also gives Year of Constitution, 7 th Plan and annual budgets, Lists of R&D activities etc. Technology commercialised and Developed, National Mission etc.

0784

Title	Computer-aided Design of Large Ocean-going Vessels
Author	Rao TVSRA and Rao AVK
Publisher	DST
Place	New Delhi
Type	State of Art Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	State of the Art Report
Annotation	Presents status of computer applications in Indian ship building industry, also includes a brief review of the basic features of CAD/CAM trends and needs of further development in these areas. Five annexures are given dealing with computational facilities at shipyards, program modules of autokon etc.

0785

Title	Consultancy Services from India
Author	
Publisher	FEDERATION OF INDIAN EXPORT ORGANISATIONS
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives particulars of 74 consultancy firms, areas of specialisation, services avilable etc. Folder also serves as a 'mini directory' of federation of Indian Export Organisation's members.

0786

Title	Curriculum Development for Voluntary Agencies
Author	
Publisher	IAAS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Workshop Organised by IAAS on 14&15 April, 1989 at New Delhi and sponsored by DST - Report.
Annotation	Deliberated on National Devpelopment Programmes & Involvement of Voluntary Agencies, Status of Voluntary Agencies, Manpower Devp., Hi-Tech Aqua-culture Schemes, Curriculum Devp. for Voluntary Agencies & its self-sustainability-Annexure contains Note for dicussion at Steering Committee Background Note.

0787

Title	Data Communication among Load Despatch Centres
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Prepared by experts from TCS, TIFR & CEA.
Annotation	Deals with western region electricity board. Gives processor details, data transfer needs and problems, transport layer standardisation, inter-despatch centre for data communication in the northern region.

0788

Title	Database for Brain Drain: Institution-Based Study
Author	Dr. Ananth MS, Dr. Ganesh K, Dr. Natarajan R
Publisher	DST-IIT, Madras
Place	Madras
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Project Report submitted by IIT, Madras with specific reference to IIT, Madras.
Annotation	Provides an analysis on the career of the students for the period 1964-87. Reasons for Brain Drain, Analysis given in 35 Tables and Charts. Survey through Questionnaire, 439 responded when mailed 25-28% of the graduates migrated.

0789

Title	Development & Modification of Blood Compatible Polyurathanes & their interaction studies with Blood Proteins at the interface
Author	Sharma CP
Publisher	SCTIMST
Place	Trivandrum
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	A Publication under DST research scheme on blood compatible polyurathanes No: HCS/DST/887/80.
Annotation	An attempt is made to develop a surface which can adsorb albumin preferentially by adjusting the hydrophilicity & hydrophobicity. The optimisation of hydrophylic/ hydrophobic ratio has been achieved with hydroxy ethyl methacrylate. Preferential adsorption of albumin seen.

0790

Title	Development of New Antithrombogenic Polymer Surfaces & their interaction studies with Blood Proteins at the interface
Author	Sharma CP
Publisher	SCTIMST
Place	Trivandrum
Type	Report
Class	Open
Price	Not price
Frequency	One Time
Year	1985
Notes	A publication under BRNS research scheme on Antithrombogenic Polyurethene surfaces No: H/31/81 G
Annotation	Provides the development of a non-thrmbogenic interface via biological modification of polyurethenes. Albumin was permanently bonded to polymers via various techniques. Prostaglandine, immobilized on albuminated substracts via glow discharge may improve the blood compatibility.

0791

Title	Directory of Accelerator facilities in India
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Provides information on accelerators available in India. Thirty entries are given with details of name, scientist-in-charge, specifications, address of the institution etc.

0792

Title	Directory of Equipment 1980-89 - (Equipment supported through DST Funding)
Author	
Publisher	NMIS - DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1989
Notes	Series : D. No.:12/89, An NMIS Publication, Sept., 1989
Annotation	Lists details (specifications, costs, year of installation, manufacturer, In-charge) of 317 costly Equipment grouped into 4 categories. Provides an analysis of growth. Aggregate value of the Equipment is Rs.3517.78 Lakhs. Indexes are given on PI, Institute, category, country of origin etc.

0793

Title	Directory of Forthcoming Conferences on Science & Technology in India
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	No 16, December, 1987
Annotation	Lists forthcoming national and international conferences, seminars, workshops, exhibitions etc. from December, 1987 to December, 1988. Indexes are provided to location of the event and subject title, date, venue and contact point.

0794

Title	Directory of Forthcoming Conferences on Science & Technology in India
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	No. 15, July 1987
Annotation	Title, date, venue and contact point for 393 national and international conferences, workshops, training programmes etc. are listed. Indexes on keyword or subject and location are provided.

0795

Title	Directory of Forthcoming Conferences on Science & Technology in India
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	No. 17, July 1988
Annotation	Lists forthcoming national and international conferences, seminars, workshops, exhibitions etc. from July, 1988 to January, 1994. Indexes are provided on location of the event and subject title, date & venue and contact point.

0796

Title	Directory of Forthcoming Conferences/ Symposia, Meetings/Workshops on Science & Technology in India
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	No. 11, July 1985
Annotation	Title, date, venue and contact point for 409 national and international conferences, workshops, training programmes etc. are listed. Indexes on keyword or subject and location are provided.

0797

Title	Directory of R&D Institutions
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Updated version of the 1979 Directory
Annotation	Contains names and addresses of R&D institutions along with classifications based on sector and state/union territory.

0798

Title	Dynamics, Design Optimisation and Testing of Fluid Film Bearings, Magnetic Bearings and Fluid Seals
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Prepared by Dr. B.S. Prabhu, Professor, IIT, Madras.
Annotation	Gives a review of literature during the last ten years. The nature of technology, developments abroad, current status in India, gaps in research, institutions carrying out research on the subject are given contains 301 references.

0799

Title	Electrical Materials
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Prepared by experts from BHEL, CPRI, BARC, GKW.
Annotation	Deals with contact materials, insulating materials for power equipment, superconductivity in power engineering and magnetic materials.

0800

Title	Employment Generation through Entrepreneurship Development
Author	
Publisher	DST
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Pre-Workshop papers, Workshop at Technology Bhavan, New Delhi
Annotation	Contains 41 papers from experts and professionals engaged in employment generation and entreprenurship development.Topics include current status, opportunities in products/services, Governmental inputs, rural employment, challenges etc. author index is provided.

0801

Title	Encapsulation
Author	Kartick KC
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Deals with encapsulating materials, release mechanisms and kinetics, encapsulating techniques, pesticides etc. Contains 165 references.

0802

Title	Engineering Sciences-Thrust Areas -a Review
Author	
Publisher	DST
Place	New Delhi
Type	Review Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Contains 18 papers in the areas of chemical engineering, civil engineering, shipping, transport and electricity for discussions at a meeting held at Jamshedpur.

0803

Title	Engineering Sciences-Thrust Areas -A Review
Author	
Publisher	DST
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Background papers, Volume II of the Workshop held at Jamshedpur
Annotation	Contains 19 review papers in the areas of mechanical engineering and materials, mineral and mining engineering; topics covered are electronic, ceramics, bioleaching, Non-desturctive evaluation, robotics, railway technology etc.

0804

Title	Equipment Database - under DST Schemes - 1978-87
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	For official use only
Annotation	Lists the equipment provided under R&D projects by DST to 12 major institutions. Institution-wise listing is provided with separate indexes on the name of investigator & equipment type.

0805

Title	Equipment Database, Version 2.0-User Manual
Author	
Publisher	DST
Place	New Delhi
Type	Manual
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1989
Notes	Series D. No.5/89, An NMIS Publication.
Annotation	Contains brief description of the Database, its operating environment, conceptual layout and operation with the help of printed screens. A chapter on various search and query retrieval methods. Two annexures in the end contain list of Institutes & PI's.

0806

Title	Establishment of Entrepreneurship Development Cells in Educational Institutions
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Gives the details of the scheme and annexures contain the guidelines and proforma.

0807

Title	Explosive Forming & Cladding of Similar & Dissimilar
Author	Chandrasekharan K
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Provides the background for a coordinated approach on High Energy Rate Fabrication (HERF) and describes five centres where HERF studies are being carried out.

0808

Title	Fibrinogen - Polymer interaction on influence of Plasma Components
Author	Chandy T
Publisher	SCTIMST
Place	Trivandrum
Type	Cource
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	A Thesis submitted to SCTIMST towards Ph.D. in Biomet Science & Technology; on September ,1987
Annotation	Presents the role of plasma proteins towards surface induced throbosis, giving emphasis to the fibrinogen molecule. It also provides the effect of plasma mediators like antiplatelet drugs, vitamins, antibiotics etc. to modulate the protein/platelet attachment at the material interface.

0809

Title	Fifth All India Workshop on the Role of State Councils in Utilising Remote Sensing Technology for Resources Survey & Management
Author	
Publisher	DST
Place	New Delhi
Type	Workshop
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Workshop held at Guwahati, Assam in November ,1986.
Annotation	Contains four chapters including invited lectures on remote sensing by Prof U R Rao, Mr Y S Rajan, Dr. R K Midha, Dr. R V Ramarao. Recommendations and general conclusions are given. One of the six annexures lists remote sensing application in states.

0810

Title	First National Science Day - 28th February, 1987
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Report compiled by Dr. R Sreedhar
Annotation	Reports on the science day celebrations at the national level and in-states and union territories. Three annexures contain invited lecture by Prof J V Narlikar, sketch on Prof. C V Raman and on "why the sky is blue".

0811

Title	Fourth All India Workshop on the Role of State Councils in Popularisation of Science
Author	
Publisher	DST
Place	New Delhi
Type	Workshop Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Workshop held at Pachmari, Madhya Pradesh
Annotation	Contains five chapters and four annexures describing inaugural session, presentations by union territories and states and voluntary organisations on their activities in popularisation of science.

0812

Title	Frontiers of Science and Technology supported by Department of Science and Technology
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Draft report presented at the Indian Science Congress
Annotation	Gives a brief review of the programmes supported in the areas of life, chemical, physical, engineering and earth sciences.

0813

Title	Group Monitoring Workshop in New Interfaces of Chemical Sciences with Biology
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Workshop held at Bio-Sciences and Engineering Group, Indian Institute of Technology, Bombay-400076
Annotation	Contains summarised progress reports of projects supported by DST in the area of chemistry and biology. Progress indicators on Phd's. produced, technical persons trained, research publications etc are given.

0814

Title	Group Monitoring Workshop on DST Funded Projects in Condensed Matter Physics
Author	
Publisher	DST
Place	New Delhi
Type	Workshop
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Workshop held at Physics Department, Osmania Unviersity, Hyderabad-500007
Annotation	Contains summaries of progress of 35 projects supported by DST during 1984-86. Impact indicators are given at the end of each progress report. Number of Phd.s produced, technical persons trained, research publications etc. are also given.

0815

Title	Group Monitoring Workshop on DST Funded Projects in Inorganic and Physical Chemistry
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Workshop held at Indian Institute of Science, Bangalore
Annotation	Contains summaries of 41 projects supported by DST during 1979-84. Impact indcators are given at the end of each progress report. Number of Phd.'s produced, technical persons trained, research publications etc. are also given.

0816

Title	Group Monitoring Workshop on DST Funded Projects in Organic Chemistry
Author	
Publisher	DST
Place	New Delhi
Type	Workshop
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Workshop held at Regional Research Laboratory, Hyderabad
Annotation	Contains summaries of progress of 35 projects supported by DST during the period 1979-83. Impact indicators are given at the end of report. Number of Phd.s produced, tecnical persons trained, research publications etc. are also given.

0817

Title	Group Monitoring Workshop on DST Funded Projects in Plant Physiology and Plant Biochemistry
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Progress Report
Annotation	Summarised progress of 39 R&D projects is reported. Project progress indicators like number of Phd.s produced, research publications etc. are given at the end of each report. Workshop held at Madurai Kamaraj University, Madurai.

0818

Title	Group Monitoring Workshop on DST Funded Projects in Promotion of Scientific Interest in Youth
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Summarised progress of 35 projects is reported. Project progress indicators like number of Phd.s produced, research publications etc. are given at the end of each report. Workshop was held at G B.Pant University Of Agriculture and Technology, Pantnagar.

0819

Title	Group Monitoring Workshop on DST Funded Projects in Promotion of Scientific interest in Youth
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Describes the monitoring workshop conducted at G.B. Pant University Of Agriculture and technology on young scientist scheme.

0820

Title	Group Monitoring Workshop on DST Funded Projects under the Scheme "Promotion and Development of Science and Technology for Weaker Sections"
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Workshop held at Centre of Science for Villages, Wardha
Annotation	Contains summaries of the progress reports of 18 projects supported under the DST scheme. The project progress indicators are given at the end of each report.

0821

Title	Group Monitoring Workshop on DST Funded Projects in Laser Science and Technology
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Workshop held at Indian Institute of Technology, Kanpur
Annotation	Contains summaries of progress reports of Projects supported by DST during 1979-85. Impact indicators are given at the end of each progress report.. Number of Phd.s produced, technical persons trained, research publications etc.

0822

Title	Group Monitoring Workshop on DST Funded Projects under the Scheme "Promotion and Development of Science and Technology for Weaker Sections"
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Workshop held at the Institution of Engineers (India), Rajasthan Centre, Jaipur
Annotation	Contains summaries of the Progress Reports of 30 projects. The progress indicators are given at the end of each report which deal with tanning, employment generation, land-use, pottery etc.

0823

Title	Group Monitoring Workshop on DST Funded Projects under the Scheme "Promotion and Development of Science and Technology for Weaker Sections"
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Workshop held at Integrated Rural Technology Centre, Mundoor, Palghat
Annotation	Contains summaries of the progress reports of 33 projects dealing with agriculture, textiles, health, housing, surveys etc. The progress indicators are given at the end of each report.

0824

Title	Guidelines and Application Preforma for Research Proposals for Financial Support in Engineering Sciences under SERC
Author	
Publisher	DST
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Contains general information on the objectives of the scheme, eligibility of applicants, thrust areas in engineering. Remuneration and other conditions of research staff are also given.

0825

Title	Guidelines and Format for submission of Project Proposals, Science and Society related Schemes
Author	
Publisher	
Place	
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Provides guidance for submission of project proposals for financial support under four schemes concerning S&T application to rural areas, women, weaker sections and retired scientists.

0826

Title	Guidelines for holding International Scientific Conferences in India
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives the requirements to be fulfilled before holding an International Conference. Application format is also given.

0827

Title	Guidelines, Criteria and Application Proforma for Accreditation of Chemical and Biological Testing Laboratories
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Brought out under the National Coordination of Testing and Calibration Facilities Programme(NCTCF)
Annotation	Gives the guidelines etc. for accreditation of laboratories towards the much needed quality-assessment system. Proforma-I, deals with organisation, staff, documentation etc.Proforma-II deals with the areas of chemical testing for metals, ores, foods, cosmetics & biological testing on cultures & waters.

0828

Title	Guidelines, Criteria and Application Proforma for Accreditation of Electrical Testing Laboratories
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Brought out under the National Coordination of Testing and Calibration Facilities Programme-(NCTCF)
Annotation	Gives the guidelines etc. for accreditation of laboratories towards the much needed quality-assessment system. Proforma-I deals with organisation, staff, documentation etc. Proforma-II deals with specific area of electrical testing.

0829

Title	Guidelines, Criteria and Application Proforma for Accreditation of Electronic Testing Laboratories
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Brought out under the National Coordination of Testing And Calibration Facilities Programme-(NCTCF)
Annotation	Gives the guidelines etc. for accreditation of laboratories towards the much needed quality-assessment system. Applicaton proforma-I deals with organisation, staff, documentation etc. Proforma-II deals with specific area of electronics.

0830

Title	Guidelines, Criteria and Application Proforma for Accreditation of Fluid Flow Testing Laboratories
Author	
Publisher	DST
Place	New Delhi
Type	Specification Manual
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Report brought out under NCTCF programme
Annotation	Gives general guidelines, scope and definitions, etc.and specific requirements for accreditation of fluid flow testing laboratory.

0831

Title	Guidelines, Criteria and Application Proforma for Accreditation of Mechanical Testing Laboratories
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Brought out under the National Coordination of Testing and Calibration Facilities Programme-(NCTCF)
Annotation	Gives the guidelines etc. for accreditation of laboratories towards the much needed quality-assessment system. Applicaton proforma-I, deals with organisation, staff, documentation etc. Proforma-II deals with specific area of mechanical testing laboratories.

0832

Title	Guidelines, Criteria and Application Proforma for Accreditation of Non-Destructive Testing Laboratories
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Brought out under the National Coordination of Testing and Calibration Facilities Programme- (NCTCF)
Annotation	Gives the guidelines etc. for accreditation of laboratories towards the much needed quality-assessment system. Proforma-I deals with organisation, staff, documentation etc. Proforma-II deals with specific area of non-destructive testing.

0833

Title	Guidelines, Criteria and Application Proforma for Accreditation of Optical/ Photometric Testing Laboratories
Author	
Publisher	DST
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Under the National Coordination Of Testing And Calibration Facilities Progamme-(NCTCF).
Annotation	Gives the proforma for applicant labs in two parts. Also contains general information, definition, scope, manpower etc. Annexures I to IV give nature of tests in optical field-photometry, radiometry, micrometrology, facilities recommended etc.

0834

Title	Guidelines, Criteria and Application Proforma for Accreditation of Radiological Testing Laboratories
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Brought out under the National Coordination of Testing and Calibration Facilities Programme-(NCTCF)
Annotation	Gives the guidelines etc. for accreditation of laboratories towards the much needed quality-assessment system. Proforma-I deals with organisation, staff, documentation etc. Proforma-II deals with specific area of radiological testing.

0835

Title	Guidelines, Criteria and Application Proforma for Accreditation of Thermal Testing Laboratories
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Brought out under the National Coordination of Testing and Calibration Facilities Programme-(NCTCF)
Annotation	Gives the guidelines etc. for accreditation of laboratories towards the much needed quality-assessment system. Proforma-I deals with organisation, staff, documentation etc. Proforma-II deals with specific area of thermal testing.

0836

Title	Hydrogel Microspheres Therapeutic Embolization-1. Preperation & Bioevaluation of Hydrolysed Polymma Microspheres as Particulate Emboli.
Author	Jayakrishnan A and Chithambara Thanoo B
Publisher	SCTIMST
Place	Trivandrum
Type	Report
Class	Classified
Price	Rs.Not price
Frequency	One Time
Year	1989
Notes	A report from division of Polymer Chemistry S.C.T.I.M.S.T.
Annotation	Report represents the effort to prepare & evaluate Polymeric Microspheres as particulate emboli for endovascular embolization. Hydrolysed Poly (Methyl Methacrylate) Microspheres with high equilibrium water content was prepared & found suitable for use as Particulate Emboli.

0837

Title	IRHPA Booklet - 1980-85
Author	
Publisher	DST
Place	New Delhi
Type	Book -
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Describes the scheme on intensification of research in high priority areas. Initiated by DST during the sixth plan. Information on individual programmes, possible agencies for continued support is given.

0838

Title	Indo-Soviet Integrated Long Term Programme of Cooperation in Science & Technology
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Classified
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Programme Appraisal-Joint Indo-Soviet update - II.
Annotation	Contains status of programmes in two catagories (a) Thurst areas (b) Basic Research in Bio-technology, Material Sciences, Catalysis, Space Science, Water Prospecting, Mathematics, Earth Sciences, Ecology, Biology, etc. In the end 3 annexures lists, area & project coordination & visits of Scientists areawise.

0839

Title	Indo-Soviet Integrated Long Term Programme of Cooperation in Science and Technology
Author	
Publisher	DST
Place	New Delhi
Type	Progress Report
Class	Classified
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Programme Appraisal as on November, 1988
Annotation	Provides a project-wise appraisal of Joint Programmes taken up in eight thrust areas and basic research in six subjects.

0840

Title	Indo-US Workshop on Arid Zone Research
Author	
Publisher	DST
Place	New Delhi
Type	Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Preface was given by Prof Yashpal, Ex-Secretary, DST
Annotation	Contains sixty three papers and recommendations on climatic changes, evolution, sedimentology, dunes, saline basins, paleo channels, surface ground water, crop, forestry remote sensing etc.

0841

Title	Instrument Development Programme (Programmes and Achievements during 1975-85)
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Included as supplement in the report of the Review Committee-1988
Annotation	Describes the objectives and achievements of the programme.

0842

Title	Instrument Development Programme - Approach and Status
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	A brief of new programmes undertaken during the Seventh Plan
Annotation	Gives the name of the investigator, potential users, likely production agency, amount sanctioned by DST, specifications of instruments to be developed in respect of 19 projects being supported under instrument development programme.

0843

Title	Instrument Development Programme-Approach and Status
Author	
Publisher	DST
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	A brief of new programmes undertaken during 7th Plan.
Annotation	Describes the various types of instruments for the development of which financial sanctions were issued, the amount of sanction, host institute and production agency.

0844

Title	Instrumentation
Author	
Publisher	SCIENCE ADVISORY COUNCIL TO THE PM, DST
Place	
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	This report makes recommendations for improving the instrumentation industry in India. Short term and long term plans include crash programme to make dozen or so badly needed instruments in different sectors and creation of a chain of hitech industries to produce sophisticated instruments in India.

0845

Title	Inter- Agency Mechanism to evolve selection criteria for Research Fellows as equivalent to the National Test of UGC and CSIR
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Report of the Third and Final Inter-Agency Committee containing recommendations.
Annotation	Existing mechanisms listed alongwith deliberations of the Commt.& recoms. Annex. on guidlines on emoluments of research personnel, Revised guidlines, Terms of ref. of Commt, Inputs from UGC, CSIR, ICMR, DOD, DOS, Min.of HRD, BPR&D & CSIR, UGC Nat.Exam. Syllabus along with Minutes of 1st & 2nd Meet.of Commt.

0846

Title	Inter-Agency mechanism to evolve Selection Criteria for Research Fellows as Equivalent to the National Test of UGC and CSIR
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	
Annotation	Gives details of Ex-JRF/SRF personnels being followed by UGC/CSIR & the orders for revision of Research fellowships. Office Memorandum, Remuneration & Other conditions of Res. Staff, Guidelines on contn. & others, Guidelines on emoluments for R.F., Minutes of the Meeting, Recommendations are annexed.

0847

Title	Introduction of Entrepreneurship in the Syllabus of Engineering Studies
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Workshop
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Proceedings of the task force held at NITIE, Bombay
Annotation	Proceedings are reported for each session as record of discussions and recommendations.

0848

Title	Large Granule and Slow release Urea
Author	Kesava Rao K
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Describes processes for the manufacture, engineering problems worth investigating etc. Three types of slow release fertilizers namely urea supergranules, coated slow release fertilizers, chemically prepared slow release fertiilizers are discussed.

0849

Title	Guidebook for the Workshop on MIS Literacy & End-user Computing
Author	Ramesam V and Others
Publisher	NATIONAL MANAGEMENT INFORMATION SYSTEM (NMIS), DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Series G; No. 15/89, Dec. 1989, brought out by the staff of NMIS Scheme.
Annotation	Presents as viewgraphs concepts, definitions etc. of MIS & Data information, Computer Software/Hardware, Database development & Models, Networks & Communication etc. Also contains handsom exercises & 6 management problems on topics discussed. Glossary of various terms used are given.

0850

Title	Lasers - A Report of the Science Advisory Council to the Prime Minister
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Document No.SAC/PM/TR/4/88.
Annotation	Talks about applications of Laser in Basic Science, Medicine, Industry, Communications, Processing, Storage of Data, Defence & Energy. Also describes important Lasers and their characteristics and status of Lasers in India. In the end, it gives recommendations for Indian Laser Programme.

0851

Title	Low Head Micro Hydro Turbine for Hilly Regions
Author	Thapar OD
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Describes nature of technology gaps to be covered, research programmes to be taken up and institutions where studies are being done. Supplement on water wheels is given.

0852

Title	Lubricants and Lubrication
Author	Sethuramaiah
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Deals with principles of lubrication, consumption pattern in India, national and international developments, R&D gaps and future developments.

0853

Title	Management of Renewable Resources and S&T Programme
+Author	
Publisher	SCIENCE ADVISORY COUNCIL TO THE PM, DST
Place	
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	This report recommends ways to preserve our base of renewable resources of soil, water, vegetation, livestock and genetic diversity. Advises government to launch an experimental five year programme of application of S&T to microlevel planning of renewable resources for different zones of India.

0854

Title	Monitoring Workshop on DST funded projects in Immunology
Author	
Publisher	MINISTRY OF SCIENCE & TECHNOLOGY
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Held at Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow. Aug. 18-19, 1989.
Annotation	Contains summarised progress report of 8 projects supported by DST in the area of immunology. Progress indicators on Phd.s produced, technical persons trained, research publications etc. are given.

0855

Title	Monitoring Workshop on DST funded projects in Neurobiology
Author	
Publisher	MINISTRY OF SCIENCE & TECHNOLOGY
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Held at Central Drug Research Institute, Lucknow. Aug. 12-13, 1989.
Annotation	Contains summarised progress reports of 8 projects supported by DST in the area of neurobiology. Progress indicators of Phd.s produced, technical persons trained, research publications etc. are given.

0856

Title	NCSTC - Network Scheme-August, 1989.
Author	
Publisher	NCSTC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	
Annotation	In 4 chapters gives the draft NCSTC Network proposal, details of issues involved, discussions of the 3 consultation workshops, final scheme along with some premises, terms often employed etc. Three annexures gives essential information about NCSTC, participating agencies in workshops.

0857

Title	NCSTC Communication
Author	
Publisher	DST
Place	New Delhi
Type	Newsletter
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1988
Notes	Mimeograph
Annotation	An occasional newsletter which serves as a channel of communication and exchange for people's science movements and various aspects of S&T communication.

0858

Title	NCSTC Visiting Fellowships
Author	
Publisher	NCSTC, DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Under National Council for Science and Technology Communication.
Annotation	Contains details of the scheme, its categories, eligibility, mode of application, selection procedure duration, contents of fellowship etc. Also annexed are the formats of application for grant & report to be submitted after the completion of the fellowship.

0859

Title	NRDMS - Natural Resources Data Management System
Author	
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Project is aimed at generating computer compatible spatially oriented databases of Natural Resources
Annotation	Describes NRDMS which specifically addresses various requirements for developmental planning for an identified district of a state by providing comprehensive data bases, encompassing both natural resources and socio-econimic parameters for different hierarchical units of planning.

0860

Title	National Management Information System (NMIS) for Science & Technology Sector
Author	
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	An NMIS publication, Series G, NO:3/88
Annotation	Gives the background of the DST scheme NMIS, its objectives, illustrative tasks,-products available or under development, implementation mechanism and contact address for more information. Brochure presents the difference of MIS for decision making from mere information

0861

Title	National Meet on Himalayan Glaciology - Abstracts
Author	
Publisher	Department Science & Technology
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Held at DST on 5th June, 1989.
Annotation	Contains abstract of 23 papers presented in the meet divided into 5 sessions. Geomorphology, geology of Himalayan glaciers medical aspects of glaciological studies, hydrological aspects, mass-balance etc. are covered.

0862

Title	National Programme on Robotics & Automation - A Strategy
Author	
Publisher	Department of Science & Technology
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	DST Robotics Task Force-Report.
Annotation	Talks about the objectives of National Programme on Robotics & Automation, Appropriate applications in industry, implementation strategy, socio-economic impact and a plan for its implementation. Annexures contain national and international scenario, typical Robot applications etc.

0863

Title	National Science and Technology Entrepreneurship Development Board
Author	
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1982
Notes	
Annotation	Gives the membership of the board, its objectives, membership of the executive committee and activities planned.

0864

Title	National Seminar on Computer Based S&T Information Systems in States
Author	
Publisher	Department of Science & Technology
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Jointly Organised By DST & NIC (Western Region), Pune-411007
Annotation	Contains a preamble on various information systems, Govt. Agencies & programmes on S&T & the objective of this National Seminar & its recommandations. (Part -A for the role of NIC, Part-B for the role of States & the part C for DST, Planning Committee etc.) Annexures(2) contain list of State S&T Dept. & NIC Unit.

0865

Title	National Seminar on Thrust Areas in Life Sciences (Review & Update) - Base Papers
Author	
Publisher	DST
Place	New Delhi
Type	Workshop
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Under Science & Engineering Research Council
Annotation	Gives the base papers as a background to the seminar held at lucknow in seven areas like Molecular Biophysics, Neurobiology, Animal behaviour etc.Two annexures give composition of SERC and recommendations to improve status of medical research.

0866

Title	Natural Resource Data Management System - Design, Formats, Computer Graphics, Applications
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Contains 3 appendices on utilisation of NRDMS package, data collection formats and thematic maps.
Annotation	Describes NRDMS, the project objective, structure, salient features, multiple data approach to micro-level planning.

0867

Title	Natural Resources Data Management System (NRDMS)-District Database-Gurgaon, Haryana
Author	Subhan Khan, Qureshi MA
Publisher	NISTADS-DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Gives concepts, Problems and Perspective.
Annotation	Presents a Progress Report on the NRDMS District Database for Gurgaon District. Highlights the scope & role of the database as an effective management tool for decentralised planning. Also draws attention to the experience gained by the project team & the problems faced in introducing it.

0868

Title	Nehru Centenary Celebrations - 1988, Sciene & Technology Review & Perspective
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Provides an illustrative background on DST's activities and achievements on the occasion of Nehru centenary celebrations - 1988. Views from DST's attached offices and grant-in-bodies.

0869

Title	Occupational and Environmental Health Problems of Indian Women
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	State of the art report.
Annotation	Gives a review of the health risks of women workers. Seventeen tables give data on number of women workers in different occupations, quality of employment, state-wise distribution on working women, average daily income, educational levels etc.

0870

Title	Operator Training Simulators for Power Plants
Author	Sastry VA
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Discusses the current use of simulation techniques in India, the hardware and software, the future needs and trends. There are six power plant simulators in India.

0871

Title	Parallel Computing
Author	
Publisher	SCIENCE ADVISORY COUNCIL TO THE PM, DST
Place	
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	This report recommends initiation of programmes for parallel computers to solve problems of numerically intensive computing. Proposes commercially available parallel computers to be distributed to forteen organisations to develop parallel programmes in their area. Research in parallel algorithms urged.

0872

Title	Photonics
Author	
Publisher	SCIENCE ADVISORY COUNCIL TO THE PM, DST
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Relates to development of materials, devices, optical information transmission and processing system, integrated system prototype, software, lasers in information technology, lasers and their applications, laser instrumentation, optical fibres & associated technologies, holography, medical lasers etc.

0873

Title	Pilot Study on Magnitude and Nature of the Brain Drain of Graduates of the Indian Institute of Technology, Bombay.
Author	Sukhatma SP and Mahadevan I
Publisher	INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Project sponsored by DST.
Annotation	Provides an analysis on the careers of the students of the period 1973-1979 from IIT Bombay.

0874

Title	Planning for Industrial Development Via Natural Resources Data Management System
Author	Rai IP, Ghosal A and Qureshy MN
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Published under NRDMS project
Annotation	Report of a study on developing a viable industrial complex by setting up a paper unit which would use "Bagasse" as raw material in Deoria and Gorakhpur districts, UP.

0875

Title	Popularisation of Science and Technology Eition 2
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Describes in five chapters the task of S&T popularisation, available resources, activities underway, coordination and evaluation. Six annexures contain excerpts from scientific policy resolution, addresses of existing museums, science centres, planetoria etc.

0876

Title	Preperation & Evaluation of Stable Haemoglobin Solution as a Blood Substitute
Author	Mira Mohanty
Publisher	SCTIMST
Place	Trivandrum
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Procedural aspects for preperation & modfication of Haemoglobin described. In vitro characteristics similar to Human Blood. Infusion into Mice tolerated. Infusion into Rabbits. No hyper-sensitivity but intense pulmonary vasoconstriction.

0877

Title	Procedure for starting Small Scale Industries - Assam
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Study conducted by Centre for Applied Systems Analysis In Development, Pune.
Annotation	First section deals with procedures and clearances at central govt. level and the second section at state govt. level. Also gives information on SEEPZ, KAFTZ and schemes of IFCI and IDBI.

0878

Title	Procedure for starting Small Scale Industries - Bihar
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Study conducted by Centre for Applied Systems Analysis In Development, Pune.
Annotation	Describes the procedures being followed in each State/UT. The first section deals with procedures and clearances at central govt. level and second section at state govt. level. Also gives information of SEEPZ, KAFTZ and schemes of IFCI and IDBI.

0879

Title	Procedure for starting Small Scale Industries - Dadra Nagar Haveli
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Study conducted by Centre for Applied Systems Analysis In Development, Pune.
Annotation	First section deals with procedures and clearances at Central govt. level and the second section at U.T. level. Also gives information on SEEPZ, KAFTZ and schemes of IFCI and IDBI.

0880

Title	Procedure for starting Small Scale Industries - Delhi
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Study conducted by Centre For Applied Systems Analysis In Development, Pune.
Annotation	First section deals with procedures and clearances at central govt. level and the second section at U.T. level. Also gives information on SEEPZ, KAFTZ, industrial estates, areas developed by DSIDC and schemes of IFCI and IDBI.

0881

Title	Procedure for starting Small Scale Industries - Maharashtra
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Study conducted by Centre for Applied Systems Analysis In Development, Pune.
Annotation	The first section deals with procedures and clearances at central govt. level and the second section at state govt. level. Gives informtion regarding SEEPZ, KAFTZ, and schemes of IFCI and IDBI.

0882

Title	Procedure for starting Small Scale Industries - Meghalaya
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Study conducted by Centre for Applied Systems Analysis In Development, Pune.
Annotation	Describes the procedures being followed in each State/U.T. The first section deals with procedures and clearances at central government level and the second section at state govt. level. Annexures give transport subsidy scheme and some promotional schemes of IFCI & IDBI, SEEPZ, KAFTZ, bank rates.

0883

Title	Procedure for starting Small Scale Industries - Pondicherry
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Study conducted by Centre for Applied Systems Analysis In Development, Pune.
Annotation	The first section deals with procedures and clearances at central govt. level and the second section at union territory level. Also gives information on SEEPZ, KAFTZ, bank interest rates and schemes of IFCI and IDBI.

0884

Title	Procedure for starting Small Scale Industries - Rajasthan
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Study conducted by Centre for Applied Systems Analysis In Development, Pune.
Annotation	The first section deals with procedures and clearances at central govt. level and the second section at state govt. level. Also gives information on SEEPZ, KAFTZ, and schemes of IFCI and IDBI.

0885

Title	Procedure for starting Small Scale Industries - Sikkim
Autho.	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Study conducted by Centre for Applied Systems Analysis In Development, Pune.
Annotation	First section deals with procedures and clearances at central govt. level and the second section at state govt. level.

0886

Title	Procedure for starting Small Scale Industries - Tamil Nadu
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Study conducted by Centre for Applied Systems Analysis In Development, Pune.
Annotation	Describes the procedures being followed in each State/U.T. The first section deals with procedures and clearances at central govt. level and the second section at state govt. level. Annexures give some schemes of SEEPZ, KAFTZ, IDBI, IFCI.

0887

Title	Proceedings of National Seminar on Developing Trainers in Entrepreneurship
Author	
Publisher	DST
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Presents summaries of inaugaral and seven sessions attended by 34 participants, sessions include personal traits and expectations from a trainer, motivation, preparation of lecture material, organisational aspects etc.

0888

Title	Proceedings of National Seminar on Introduction of Entrepreneurship in Science Degree Courses
Author	
Publisher	DST
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Contains the recommendations on issues like syllabus, staff requirements, library support, infrastructure.

0889

Title	Profiles of Science-Tech Entrepreneurs
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Documents "Agony and Ecstacy" of 90 S&T entrepreneurs supported by the National Science and Technology Entrepreneurship Board (NSTEDB) since 1982. Profiles are classified subject-wise and index of names is provided.

0890

Title	Promotion and support to Consultancy Services
Author	
Publisher	DSIR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives the objectives and other particulars of DSIR scheme to strengthen the role of consultants.

0891

Title	Promotion and support to Indigenous Technology
Author	
Publisher	DST
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Gives the various measures taken by govt. to encourage R&D. Annexures give 11 proformae for recognition of R&D labs projects to be financed by NRDC etc.

0892

Title	Publications of Science & Technology Departments/ Agencies
Author	
Publisher	National Management Information System (NMIS), DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1989
Notes	Series D, No: 14/89, November, 1989 - A Hard copy of Computerised Database.
Annotation	Lists 1950 publications of 25 Deptts/ Agencies giving author, title, publisher, an annotation on the contents of the publication etc. Also contains an overview of the computerised database. Addresses of Deptt.s/ Agencies covered, indexes on keywords, author, year etc. provided.

0893

Title	R&D Funding during 1985-86 - An Analysis and Review
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Limited circulation
Annotation	Provides general information on R&D activities supported by DST during 1980-85 and 1985-86. Analysis of the financial support to different areas, average cost of project, funding pattern etc are given. Indexed list of projects supported during 1985-86 is given.

0894

Title	RSIC Review Committee - Report
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives the structure of the RSICs and recommendations on equipment, services, personnel policy, finances etc.

0895

Title	Recommendations by the All India Workshop on the State Councils of Science and Technology - Trivandrum
Author	
Publisher	DST
Place	New Delhi
Type	Workshop
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Result of the second all India workshop on state councils on S&T.
Annotation	Gives an overview of the scheme of state councils on S&T and the recommendations on their activities, recommendations on planning for S&T at state level and structure of state councils. Three annexures contain participant list, names of working group members etc.

0896

Title	Refinery processes using Hydrogen a Review
Author	Kunzru D, and Saraf DN (assisted by Mohanti S)
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives a review of the processes, hydrodesulfurization, hydrocracking and catalytic reforming, based on 355 references published after 1979. The chemistry of the process is given.Technology and modeling are emphasized.

0897

Title	Regional Sophisticated Instrumentation Centre
Author	
Publisher	BOSE INSTITUTE
Place	Calcutta
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives information on instruments available, instructions for users and schedule of charges.

0898

Title	Regional Sophisticated Instrumentation Centres
Author	
Publisher	PUNJAB UNIVERSITY
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives information on the types of instruments available, the quantity of sample required and the charges for service.

0899

Title	Regional Sophisticated Instrumentation Centres
Author	
Publisher	IIT, BOMBAY
Place	Bombay
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Describes briefly the types of instruments available, applications and user instructions.

0900

Title	Regional Sophisticated Instrumentation Centres
Author	
Publisher	DST
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives the background of the programme of RSIC, membership of the committees, lists of instruemnts available at 13 centres and the addresses of the contact points.

0901

Title	Reliability Engineering including Failure Analysis related to Power Systems
Author	Aggarwal KK
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Deals with the nature of technology development abroad, status in India, R&D needs and institutions carrying out studies on this subject.

0902

Title	Report & Recommendations of the Assessment Committee for activities under the National Council for S&T Communication (1987)
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	
Notes	Mimeographed report not for circulation
Annotation	Has five chapters and three annexures, terms, composition and organs of the council, its programmes, interaction with voluntary agencies etc. are given.

0903

Title	Report by the Committee on Introduction of Zero-base Budgeting by the S&T Departments/Agencies
Author	
Publisher	Ministry of Science & Technology
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Chairman of the Committee : Shri T.N.Seshan.
Annotation	Contains recommendations of the Committee on the action for the Introduction of Zero-base Budgeting System in the S&T Departments/Agencies/ Institutions.

0904

Title	Report of the Committee on Wind Engineering.
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Prepared under chairmanship of Prof . Jai Krishna, Roorkee University.
Annotation	Contains six chapters and eight annexures containing recommendations on wind measurements, instrumentation, standardisation and education etc. Annexures give information on damage of 1977 A.P. cyclone, effect of wind on common man's dwelling.

0905

Title	Report of the Cyclone Review Committee
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Prepared under chairmanship of Prof. A K Saha, Saha Institute of Nuclear Physics, Calcutta
Annotation	Contains eight chapters giving recommendations on R&D, periodic review, warning system, mitigation, preparedness, training, code, emergency plan, and A.P. Cyclone 1969, prone areas, detection etc.

0906

Title	Report of the Review Committee for Instrument Development Programme
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Contains 25 page supplement of approach and status, instrumnt development programme
Annotation	Gives the review of past and present activities, new programmes for the eighth plan, quality control and manpower training programmes. Achievements of 1975-85 are also given.

0907

Title	Report of the Review Committee on Indian Calender and Positional Astronomy
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Prepared under chairmanship of Prof S P Pandya, Ex.Director, PRL, Ahmedabad
Annotation	Contains ten chapters, four annexures and five appendices giving recommendations on correct ephemerides, luni solar calendar, R&D, infrastructure, astronomy etc

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0908

Title	Report of the Review Committee on Wadia Institute of Himalayan Geology
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Not for circulation.
Annotation	Gives the background of the Institute, findings of the review committee and recommendations. Annexures provide revised draft memorandum of association and proforma for formulating research programmes.

0909

Title	Report of the Working Group for the Formulation of Eighth Five Year Plan for the Department of Science & Technology
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	
Annotation	Contains an overview, Review of Seventh and Eighth Plan Programs on R&D Promotion, Technology Development, S&T for Socio-Economic Development. Policy, International Cooperation, Meteorology and Financial Outlays etc.

0910

Title	Report of the Working Group on Arid Zone Research
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1981
Notes	Prepared under Chairmanship of Shri B Sivaraman, Ex-Member, Planning Commission.
Annotation	Contains fifteen chapters and four annexures giving recommendations on R&D, afforestation, sand dune, crop production, sociological studies, natural resources etc.

0911

Title	Report on Computerised District Database, Kheda District, Gujarat
Author	
Publisher	CSRE, IIT
Place	Bombay
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Report prepared by Centre of Studies in Resources Engineering, (CSRE), IIT, Bombay.
Annotation	Consists of details of the district Geo-Database with remote sensing facility, developed & implemented by NRDMS at Kheda Dist, Gujarat. Annexures lists database structure, sample data, Basic Statistics, Maps showing Taluk boundaries etc.

0912

Title	Report on Depletion of Stratospheric Ozone
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1977
Notes	
Annotation	Contains thirteen chapters giving recommendations on ozone formation, environmental effects, measurement, modelling chloro-floro-carbons etc.

0913

Title	Report on Five to Ten Years Profile of Seismological Studies in India
Author	
Publisher	DST
Place	Roorkee
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Prepared under chairmanship of Prof A.S.Arya, Roorkee University.
Annotation	Contains eleven chapters and four annexures giving recommendations on R&D, earthquake problems, mitigation, reduction, observational network, design codes, preparedness, data bank, linkages training etc.

0914

Title	Report on Indo-US Workshop on Wind Disaster Mitigation
Author	
Publisher	DST
Place	Madras
Type	Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Contains seventeen papers on instrumentation, field measurement, analysis data, wind behaviour, tunnel model, storm surges, motion perception etc.

0915

Title	Report on National Meeting on Earthquake Mechanism and Mitigation
Author	
Publisher	DST
Place	New Delhi
Type	Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Foreword by Dr. D K Rakshit, ex-director, DST
Annotation	Contains papers on Himalayan region, testing of earthquake resistant structures, risk, education and training etc.

0916

Title	Report on Testing Facilities and Accreditation Programmes
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Brought out under the National Coordination of Testing and Calibration Facilities Programme(NCTCF).
Annotation	A reference document on testing labs under government departments, systems of assessment and monitoring of testing labs, accreditation programmes of other countries etc. An appendix gives concepts, definition and information on testing. Nearly 320 labs are listed with addresses, activity and field.

0917

Title	Research & Development Funding Schemes of Central Government Agencies Edition 4
Author	
Publisher	DST
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Contains information of R&D funding schemes of the cental govt. during the last few years. This edition also contains the govt. orders relating to salaries and other allowances for personnel appointed on research projects & research programmes supported by 15 departments.

0918

Title	Research & Development Funding Schemes of Central Government Departments and Agencies - General Information
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Annual
Year	1989
Notes	Reprinted in 1989 adding five more departments
Annotation	Contains information on the R&D Schemes of 18 S&T Departments. Brief introduction, Mechanism of implementation, Areas of Research, Contact address etc. are listed under each scheme. Five Annexures deal with R&D Expenditure, State Councils, Import of Equipment & Research emoluments.

0919

Title	Research & Development Statistics 1984-85
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Rs.57
Frequency	Bi-annual
Year	1986
Notes	
Annotation	Gives the trends in the R&D and related S&T expenditure for different sectors of economy ; covers the data for 1982-83 through 1984-85. In addition to highlights, contains nine chapters and 38 tables 5 appendices, addresses of the R&D institutions and 858 in-house industrial labs recognised by Govt.

0920

Title	Research & Development Statistics 1986-87
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Bi-annual
Year	1988
Notes	
Annotation	Gives the trends in the R&D and related S&T expenditure for different sectors of economy.Covers the data for 1984-85 through 1986-87.In addition to highlights, contains nine chapters, 34 tables and five appendices, addresses of the R&D institutions under govt. industry etc. are given.

0921

Title	Research & Development in Industry 1982-83
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Describes R&D scene in industrial sector for the years 1980-81, 1981-82 and 1982-83. R&D expenditure by industry group, dispersal of private sector R&D units in various states, R&D expenditure by field of science etc. are given in 20 tables.

0922

Title	Research & Development in Industry 1984-85
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Rs.36
Frequency	Bi-annuall
Year	1986
Notes	
Annotation	Analyses the manpower, financial resources deployed in R&D in public and private sector industry. Has three chapters and 25 tables.

0923

Title	Research and Development Projects Funded by the Department of Science and Technology-1979-83
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Lists the R&D projects supported by DST from 1979-84 under the science and engineering research council scheme and general research scheme. The data contains investigators name, project title and DST file number. Investigator and institution index are provided.

0924

Title	Research and Development Projects Funded by the Department of Science and Technology 1984-85
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Lists the R&D projects supported by DST from 1984-85 under the science and engineering research council scheme and general research scheme. Data contains investigators name, project title and DST file number. Investigator and institutions index are provided.

0925

Title	Research support for Thrust Area Programmes in Chemical Sciences
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives general information on thrust areas under science and engineering research council scheme, objectives, mechanism and subject fields identified for R&D support in chemical sciences.

0926

Title	Research support for Thrust Area Programmes in Life Sciences.
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives general information on thrust areas under science and engineering research council scheme, Objectives, mechanism and subject fields identified for R&D support in life sciences.

0927

Title	Research support for Thrust Area Programmes in Physical Sciences
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Gives general information on thrust areas under science and engineering research council scheme, objectives, mechanism and subject fields identified for support in physics.

0928

Title	Robotics
Author	
Publisher	OXFORD & IBH PUBLISHING CO. PVT. LTD. NEW DELHI
Place	New Delhi
Type	Workshop
Class	Open
Price	Rs.250
Frequency	One Time
Year	1988
Notes	
Annotation	Proceedings of a workshop held at TELCO during April, 1987. Thirty six papers covering design and development, control and programming, advanced robotics systems, overview of activities and general technical information are presented.

0929

Title	Robotics and their Applications in India
Author	Bhattacharya A
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Describes international and Indian scenario of robot development and applications, futuristics for robots etc.

0930

Title	SERC Review (1980-85)
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Describes the objectives, financial resources mechanisms of approval and illustrative areas supported under the science and engineering research scheme of DST.

0931

Title	SERC Schools - Programme in Physical Sciences - General Information
Author	
Publisher	DST
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Gives the policy planning and programme of action for motivating young scientists to carry out research in thrust areas.

0932

Title	STEP
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Provides information on science and technology entrepreneur's park, aims, development plan, sponsoring institutions, financial and administrative mechanisms.

0933

Title	Scheme for Young Scientists
Author	
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Describes the various activities like research, socio-economic projects, contact programme, international travel, awards which receive funding support under the scheme for young scientists.

0934

Title	Scheme for Young Scientists format for Project Proposal
Author	
Publisher	DST
Place	New Delhi
Type	Format
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Gives the objectives of the scheme for young scientists, SERC scheme for young scientists, note on project formulation and the format.

0935

Title	Science & Technology Communication and Popularisation Programme
Author	
Publisher	NATIONAL COUNCIL FOR S&T COMMUNICATION SECRETARIAT
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	General information.
Annotation	Describes the funding support available for activities in training in S&T communication, resource letters for S&T communication, software development and dissemination, awards for S&T popularisation etc.

0936

Title	Science & Technology Database
Author	
Publisher	NCSTC, DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	A Project of NCSTC, DST listing Agencies/ Institutions prepared by Centre for Tech. & Development.
Annotation	Statewise indexed Agency/Institution name and address of 1650 Voluntary Agencies, 234 Newspapers & Magazines, 274 popular S&T periodicals and 20 S&T Exhibitions, Planetoria and Museums are available in the Database.

0937

Title	Science & Technology Promotion Programme
Author	
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	General information on research support.
Annotation	Describes thirteen schemes under which funding support is given by DST to investigators, associations, young scientists, weaker sections etc.

0938

Title	Science and Engineering Research Council, Activities during 1980-87
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Contains a separate booklet listing projects sanctioned during 1985-87.
Annotation	Gives a review of the SERC programme to the growth of science and engineering, thrust area programmes identified and promoted like genetic engineering, plasma physics, super conductivity, new materials, solid state chemistry etc.

0939

Title	Science and Technology Communication and Popularisation Programme
Author	
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Bilingual - English and Hindi
Annotation	Describes the National Council for Science and Technology communication scheme of DST, facilities for training in S&T communication, S&T communication information networks, software development, field based projects.

0940

Title	Science and Technology Doctorates (An analysis of supply and employment characteristics)
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Special survey report.
Annotation	Has six chapters on out-turn pattern, sector of employment, fields of specialisation, salary structure etc. 33 tables and three appendices.

0941

Title	Science and Technology Entrepreneurs Park (STEP)
Author	
Publisher	NSTEDB, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Presents the guidelines for the establishment of science and technology entrepreneur's park in the vicinity of an academic and research institution, types of technology, financial mechanism, etc.

0942

Title	Science and Technology Pocket Data Book
Author	
Publisher	DST
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Gives a list of Publications brought out by S&T Statistics, DST since1973-74 at the end.
Annotation	Covers time series data in variety and form on resources deployed to Science & Technology; S&T Personnel available; international comparison of resources input for S&T activities of some relevance. Data is presented in 64 Tables, Graphs, Charts, etc.

0943

Title	Science and Technology for Women
Author	
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Describes the objectives, eligibility etc. to receive funding support under the scheme. Type of activities, priority areas, proforma and contact address are also given.

0944

Title	Science and Technology for Women (A Revised illustrated Version of the Compendium of Technologies)
Author	
Publisher	DST
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Compiled by Centre Of Science For Villages, Wardha.
Annotation	Seventy five technologies in the areas of employment generation, drudgery reduction, drinking water & sanitation, health and accident protection are given. Where possible details of cost, materials etc. are provided.

0945

Title	Science and Technology in India
Author	
Publisher	DST
Place	New Delhi
Type	Overview
Class	Open
Price	Not Priced
Frequency	One Time
Year	1982
Notes	
Annotation	Provides an overview of science in India since historical times to present. The areas of agriculture, rural development, defence research, space science, energy and environment, health etc. are covered.

0946

Title	Science and Technology in India
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Gives the details of the first Inter-governmental consultative conference of experts on new and high technology areas from Non-Aligned developing countries and members of the group of 77.

0947

Title	Science, Technology and Development - 1 Women
Author	John JP, Chopra CL and Chowdhary SK
Publisher	REGIONAL RESEARCH LABORATORY, JAMMU AND DST
Place	New Delhi
Type	Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Thirteen articles by twenty authors on subjects like S&T and women, technologies for women, impact of technology etc. are presented.

0948

Title	Scientific Policy Resolution
Author	
Publisher	DST
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1958
Notes	Reprinted by INSDOC for DST.
Annotation	Gives the text of scientific policy resolution No.: 13/cf/57, adopted by Government of India.

0949

Title	Second Group Monitoring Workshop on DST Funded Projects in Plant Sciences
Author	
Publisher	DST
Place	New Delhi
Type	Workshop
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Workshop held at Kumaon University, Nainital, Uttar Pradesh.
Annotation	Contains summaries of progress of 39 projects funded by DST during 1979-83. Impact indicators are given at the end of each progress report. Number of Phd.s produced, technical persons trained, research publications are also included.

0950

Title	Separations by Membranes
Author	Kulkarni MG
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Deals with separation of gases by polymeric membranes, alternative separation processes, design and application of membrane separation processes etc.

0951

Title	Seventh All India Workshop on the Role of State Councils in NationalTechnology Missions
Author	
Publisher	Department of Science & Technology
Place	New Delhi
Type	Workshop
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Organised by Punjab State Council for S&T, DST & Office of Adv. to PM on Tech. Mission, Feb., 1989.
Annotation	Gives the role of Councils in National Technology Missions, the (role of) Department of Science & Technology, list of major events that took place so far, recommendations of Planning Commission, Working Group on Scientific Services & Research and highlights of activities of some of the States.

0952

Title	Sophisticated Instruments Facility
Author	
Publisher	IISC
Place	Bangalore
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Provides information on the instruments available, procedure for using and composition of the advisory committee.

0953

Title	Splicing of Precast Piles
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Presents an overview of the different known pile joints. The advanced R&D involves recourse to instrumentation for obtaining response of pile to the imposed and induced stresses during driving and in engineering practice.

0954

Title	State of Art Report of Studies on Himalayan Glaciers
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Contains eight chapters giving recommendations on glacier resources, inventory, snow packs, ice rodles, movement, thickness, assessment, sediment transport, melting rate etc.

0955

Title	State of Art Report on Combustion, Air Pollution & Combustion Devices
Author	Gupta CP
Publisher	DST
Place	New Delhi
Type	State of Art Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	State of the Art Report.
Annotation	Reviews reciprocating combutsion engines, turbine engines, coal combustion, power generation, solid propellants, fire prediction, etc. Contains 26 selected references.

0956

Title	Status Report on Integrated Studies on Deep Sea Fans in the Bay of Bengal
Author	
Publisher	DST
Place	Visakhapatanum
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Compiled by Prof. R V Ramarao, INCOR, Visakhapatnam
Annotation	Contains six sections giving recommendations on R&D, gas hydrates, hydrocarbons, suspended loads, biological resources, genesis, geochemistry, clay minerology, global tectonics, movements etc.

0957

Title	Status Report on Pesticide Residue vis-a-vis Consumer Protection
Author	
Publisher	VOLUNTARY HEALTH ASSOCIATION OF INDIA
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Deals with pesticides and insecticides in India, their regulatory mesures, residues in various foods, control and management. Nine annexures give tolerance limits in foods, demand pattern of pesticides, FAO code of conduct etc.

0958

Title	Status of Women Science & Technology Personnel in Research and Development
Author	Rajeswari AR, Chetal R and Samathanam GJ
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Analyses the enrolement employment characteristics in general and the R&D employment in particular of women scientific and technical personnel. Contains nine tables and six figures.

0959

Title	Studies on improving Synthetic Biomedical Membranes for Haemodialysis
Author	Sharma CP
Publisher	SCTIMST
Place	Trivandrum
Type	Report
Class	Open
Price	Rs.Not price
Frequency	One Time
Year	1989
Notes	A publication under DST research scheme on Haemodialysis Membrane development. Tech.Rep. 820/85.
Annotation	Provides the efforts in the development of three types of haemodialysis membranes with improved permeability & blood compatibility. Polyether urathane urea, chitosan & polyvinyl alcohol based membranes were prepared. It seems all membranes have good permeability properties compared to std cellophane.

0960

Title	Surface Modification : Tissue Compatibility towards the development of Artificial Skin
Author	Sharma CP
Publisher	SCTIMST
Place	Trvandrum
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	A publication under ICMR research scheme on artificial skin, Tech. Rep. No. 5/20/1/86 - NCD -1
Annotation	Indicates the development of an artificial skin from polyether urathane urea (PEUU). Collagen & albumin coated PEUU enhances wound healing. Accelerated wound healing.

0961

Title	Symposium on Blood Compatible Materials at Sri Chitra Tirunal Institute for Medical Science & Technology, Trivandrum, India, March 31 - April 1, 1983
Author	
Publisher	SCTIMST
Place	Trivandrum
Type	Symposium
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Symposium disscussed about Chitra Double Bag for blood oygenation, Chitra Polygrathane Vascular Graft, Chitra Polyester Vascular graft, Chitra Disposable Oxygenerator, Chitra Tilting Disc Heat valve Prosthesis and its current status.

0962

Title	System Analysis for Information Sciences
Author	
Publisher	
Place	
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Contains lecture notes by 16 contributers on 18 topics like systems analysis and design, flowcharting, processing of union catalogue of serials, network techniques, INIS, AGRIS, technology information and society etc.

0963

Title	TIFACLINE - A Nationally accessible Information System
Author	
Publisher	TIFAC, DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Doc.0.004/TIFAC/30, March 1989.
Annotation	Background of TIFACLINE and Its objectives. Plan of action, Network Topology, System Standardisation, Methodology of implementation, TIFACLINE Services and Short Mechanisms are highlighted.

0964

Title	Technical Cooperation among Developing Countries
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives the background of "STECDEC" scheme of support for activities like training of young scientists, seminars, exchange visits, joint research programmes of developing countries as part of Technical Cooperation among Developing Countries (TCDC).

0965

Title	Technologies From India
Author	
Publisher	A Joint DST-TIPS Publication.
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1989
Notes	Series D, No.8/89, An NMIS/TIPS Publication.
Annotation	Contains partial collection of know-how offers from 122 Indian Companies in Agro-Industry, Biotechnoloy, Electronics, Energy, Fisheries, Food Processing, Machinery, Pharmaceuticals, Textiles, etc. Indexes are available for Source of information and Subject.

0966

Title	Technology Absorption and Adaptation Scheme (TAAS)
Author	
Publisher	DSIR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	A compilation of suggestions from in-house R&D units.
Annotation	Gives the replies of recognised in-house R&D units of private sector and public sector firms for additional support for speedier absorption and adaptation of imported technologies.

0967

Title	Technology Information, Forecasting and Assessment Council (TIFAC)
Author	
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives the objectives of the council which was established in 1987, membership, short listed areas of study.

0968

Title	Technology Policy Statement
Author	
Publisher	DST
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Announced at the Indian Science Congress at Tirupati, 1983.
Annotation	Gives the statement on technology policy in seven sections, dealing with technology acquisition, transfer, implementation, incentives, in-house R&D etc.

0969

Title	The Method of Science
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Reproduction of an Exhibition prepared by EKLAVYA, Hoshangabad.
Annotation	Contains the reproduction of an exhibition prepared as a part of the Hoshangabad Science Teachers Programme, given broadly in five sections, text in English and Hindi.

0970

Title	The Recommendations on Focal thesme of the 74th Session of Indian Science Congress held at Bangalore - Report
Author	
Publisher	Department of Science & Technology
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	Focal Theme: Resources and human well-being-inputs from Science and Technology, January, 1987.
Annotation	Gives recommendations of ISC on Agriculture, Climate, Botany etc. various areas of S&T. Also gives status report, various recommendations. Chapter IV lists the members of task force.

0971

Title	Third Group Monitoring Workshop on DST Funded for Young Scientists
Author	
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Progress report.
Annotation	Summarised progress of 25 projects is reported. Project progress indicators like number of Phd.s produced, research publications etc. are given at the end of each report. Workshop was held at the university of Jammu, Jammu.

0972

Title	Thrust Areas in Engineering Sciences
Author	
Publisher	DST
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Contains 58 page appendix of document for discussion at IPCL, Baroda.
Annotation	About 800 problem areas in chemical engineering, civil engineering, computer applications, electricity and power, electronics and communications, energy, materials, mining and mechanical engineering were identified for R&D.

0973

Title	Utilising the Scientific Expertise of the Retired Scientists
Author	
Publisher	DST
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Gives the objectives and guidelines for obtaining funding support by retired scientists under this scheme.

0974

Title	Vibration and Sound Measuring Instrumentation and Telemetry Systems
Author	Kulkarni VP, Ananthanarayana N and Palniswami SA
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Deals with the nature of technology, current status in India and abroad, R&D requirements in India and lists 17 institutions carrying out work in sound vibration measurements.

0975

Title	Young Scientists Scheme 1980-85, Review of Activities
Author	Dr. Ramesam V
Publisher	DST
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Describes the origin,objectives and mechanisms of the scheme operated by DST for funding support of young scientists. Gives salient data and results of some of the R&D and other activities of the scheme for the period 1980-85.

ICAR

Indian Council of Agricultural Research

V. 14

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0976

Title	A History of Agriculture in India, Vol. IV
Author	Randhawa, MS
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.85
Frequency	One Time
Year	1986
Notes	
Annotation	History of Indian Agriculture documented. Establishment of different Agriculture Research Institutes, and development of various Agro based Technologies highlighted.

0977

Title	A Survey of natural resources of Goa
Author	Govindarajan SV, Murthy RS, Raghumohan NG, Jain SP and Venkataraman M
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.12
Frequency	One Time
Year	1974
Notes	Special reference to soils and land classification for agricultural development.
Annotation	Gives details of suvey of 11 taluks of Goa discussed in 8 chapters the general description of the area, agriculture and present land use techniques of soil survey and preparation of soil map, soil genesis and classification descriptions of the soil series land capability classification & management.

0978

Title	Algae
Author	Singh BK
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.20
Frequency	One Time
Year	1987
Notes	
Annotation	Role of Blue Green Algae in Nitrogen. Particulars of the Research carried out in the field of Algae.

0979

Title	Acid soils of India and Liming
Author	Mandal SC, Sinha MK and Sinha H
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.12
Frequency	One Time
Year	1982
Notes	ICAR technical bulletin (Agric.) No. 51.
Annotation	Details of the acid soils and agro climatic regions of the country, distribution of acid soils, classification, genesis, charecteristics, effect of lime on crop yields, availability of plant nutrients, activity of micro organisms, elimination of tonic substances present in acid soils and management.

0980

Title	Advances in Biogas Technology
Author	Chawla OP
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.18
Frequency	One Time
Year	1986
Notes	
Annotation	In 10 chapters deals with Significance of Biogas Technology, Methane fermentation, Different designs, use of other inputs. Properties & use of Biogas, Manure Socio Economic Aspects, Problems & Solutions etc. Gives excellent pictures of Biogas Plants, their functioning etc.

0981

Title	Advances in Oil Seeds Production Technology
Author	Ramamurthy, GV
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Rs.11
Frequency	One Time
Year	1986
Notes	
Annotation	Present situation in India with respect to oil seeds,factors limiting the production,oil seeds production technologies,various cropping systems for advancing oil seeds production.Farm implements, improved varieties of oil seeds discussed.

0982

Title	Aflatoxins in Groundnut
Author	
Publisher	ICAR
Place	
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Brought out under Technologies for Better Crops-33.
Annotation	Talks about Aflatoxin producing fungi, its chemistry, toxic effects, of Aflatoxins, factor responsible for Aflatoxin production, assay regulation in Aflatoxin control & various methods of Aflatoxin control.

0983

Title	Agricultural Entomology and Pest Control
Author	Pradhan S
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Rs.30
Frequency	Occasional
Year	1986
Notes	
Annotation	Explains entomology in relation to man and dominance of insects useful to man, insects adaption to arid conditions, insects control, pesticide hazards, integrated pest control, protected research in tropics.

0984

Title	Agricultural Entomology and Pest Control.
Author	Pradhan S
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.33
Frequency	One Time
Year	1987
Notes	
Annotation	Principles of agricultural entomology and control of pests of agricultural importance, pesticides of plant origin discussed.

0985

Title	Agricultural Research Vol.I, 1961
Author	
Publisher	ICAR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs.24
Frequency	Monthly
Year	
Notes	
Annotation	Information on agricultural research projects sponsored by ICAR, articles relating to agricultural research, developments of agricultural technology etc.

0986

Title	Agriculture & Animal Husbandry in India Vol.I Pub.1933
Author	
Publisher	ICAR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs.16
Frequency	Monthly
Year	
Notes	
Annotation	Research & technological developments achieved, high yielding farm technologies in agriculture production, practices in farming, breeding of hybrid breeds in animal husbandry & other reserach findings on live stock are provided.

0987

Title	Agriculture Demonstration Centres
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	List of addresses of Agriculture Demonstration Centres, to educate farmers about recent technological developments in the field of agriculture, organised by ICAR is given.

0988

Title	Agriculture Entomology
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Field experiments in entomology and Review of the research projects on entarch projects on entomology.

0989

Title	Agriculture Research and Education
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Recent progress and achievements made in the field of Agriculture Research and Agriculture Education, Agriculture technology demonstration in villages, Research in cultivation methods are discussed.

0990

Title	Agro Forestry Seminar
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Review on forest development research, social forestry developments, identification of plants for social forestry in different regions of country, achivements in social forestry development in the country etc.

0991

Title	Algae
Author	Venkatraman G S
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.22
Frequency	One Time
Year	1988
Notes	
Annotation	Cultivation of Algae in India, Breeding,farming methods developed recently in ICAR labs discussed.

0992

Title	All India Coordinated Agronomical Research Report 1984-85
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	Project started in 1988 on Agronomical research
Annotation	Detailed progress report on Agronomic research expriments on cultivation of fields, croping systems research etc.

0993

Title	All India Coordinated Research Project on National Demonstrated Rations, Annual Report 1983-84
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1984
Notes	
Annotation	Project on transfer of technology initiated in the year of 1965-66 on reclamation of soil, farming system, cultivation system in infested areas.

0994

Title	Annotated Compendium on Wheat Diseases in India
Author	Joshi LM, Srivastava KD, Singh DV, Goel LB and Nagarajan S
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.10
Frequency	One Time
Year	1978
Notes	
Annotation	Includes a review of the work done in India on wheat diseases till 1975 with detailed abstracts of Publications arranged Alphabetically according to individual disease.Author & Subject Indexes are given. Covers Rusts, Smuts, Bunts, Foliar diseases, Seed & Soil borne viral nematodes.

0995

Title	Annual General Body Meeting of the ICAR Society March 3 - 1984.
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1985
Notes	
Annotation	Report of the general body meeting held on March 3, 1984 to review the planning,allocation of budget to different projects, Progress of research programmes.

0996

Title	Annual Report 1986-87
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	
Annotation	ICAR Annual Report for the year 1986-87 presented.Included are constitution of various expert committees. List of R&D projects in progress, an account of expenditure under various budget heads etc.

0997

Title	Annual Report 1986-87 (Fisheries)
Author	
Publisher	CIFT & ICAR
Place	Cochin
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	
Annotation	Annual report on fisheries technology for the year 1986-87. The developmental activities in the area of fisheries technologyboth Inland & Marine for the year 1986-87 discussed.

0998

Title	Apple-package of Practices.
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Identifying places for Apple cultivation, Nature of Soil,new varieties,application of fertilizers & micro nutrients Control of diseases & pests.

0999

Title	Agricultural Byproducts and Industrial Wastes for Livestock and Poultry Feeding
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Major recommendations of the All - India Coordinated Research Project.
Annotation	Talks about the projects, its objectives, Technical programmes, Major recommendations, Transfer of technology, Availability, Chemical composition & Nutritive value of var ious agroindustrial byproducts such as livestock feed.

1000

Title	Atlas of Agricultural Research and Training Centres of Indian Council of Agricultural Research
Author	
Publisher	ICAR
Place	New Delhi
Type	Atlas
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	List and addresses of Research centres & Training Institutes according to geographical locations,engaged in Agriculture Research.

1001

Title	Atlas of Indian Agriculture Research
Author	
Publisher	ICAR
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Comprehensive information on ICAR research centre locations given. Nature of research & training in the locations listed.

1002

Title	Bajra
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Bajra crop farming.Improved methods for increasing yield. Control of pests & diseases discussed.

1003

Title	Agriculture Research
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1980
Notes	
Annotation	Gives brief introduction about Agriculture History and talks about Land & Climate, Crops, Price policy, Inputs & Services, Animal Husbandry, Research & advisory services, Rural reconstruction etc. An Annexure in the end contains the terms of reference of the Agriculture Price Commission.

1004

Title	Banana
Author	Madhava Rao VN
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.6
Frequency	One Time
Year	1987
Notes	
Annotation	Information on banana cultivation, packing, transportation and presentation of the fruit to the consumers discussed.

1005

Title	Banana in India
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Cultivating banana as a commercial crop; selection of suitable varieties, modern cultivation methods, water management, application of fertilizers are the main items of the book.

1006

Title	Beautifying cities of India
Author	Randhawa MS
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Rs. 1.75
Frequency	One Time
Year	1978
Notes	
Annotation	Gives details of beautifying cities under 3 chapters. Chapter 1 deals with Bio-aesthetic planning, Taming nature, Town planning, A-pre-condition, Garden suburbs etc. Chapter 2 includes beautifying railway stations along banks of rivers and canals etc. 3rd one gives plantation plan, selection of trees etc.

1007

Title	Agriculture in Ancient India
Author	
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Not Priced
Frequency	One Time
Year	1964
Notes	
Annotation	Talks about Land & Divisions, Irrigation, Tillage, Manures, Cultivation, sequence of crops, protection from diseases & pests, Meteorology, Livestocks, Cows and Bulls etc. Three Appendices, Literature found in Indian languages etc.

1008

Title	Bibliography of ICAR Publications
Author	
Publisher	ICAR
Place	New Delhi
Type	Bibliography
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	All Publications of ICAR from 1929-1984, including Research Journals listed.

1009

Title	Bibliographical Services to Agricultural Education
Author	
Publisher	ICAR
Place	New Delhi
Type	Bibliography
Class	Open
Price	Rs.62
Frequency	One Time
Year	1985
Notes	
Annotation	Report on library and bibliographical services for agricultural teaching and research in India, and list of Agricultural research institutions.

1010

Title	Bibliography of Pulse Crops
Author	
Publisher	ICAR
Place	New Delhi
Type	Bibliography
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	This is a compilation of a Bibliography of publications related to pulses including conference and seminar proceedings upto the year 1986.

1011

Title	Biological Nitrogen Fixation and Nitrogen Fertilizer Efficiency
Author	
Publisher	ICAR
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Provides infromation on US-INDO technology transfer, review of results, review of progress, future plan of work, exchange of material etc.

1012

Title	Biological Nitrogen Fixation in Groundnut
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Brought out under Technologies for Better Crops-34.
Annotation	Talks about Biological Nitrogen Fixation in Groundnut, crops response to rhizobium inoculation, its technology & various constraints in success of inoculation. Tables give information on percentage yield response to Rhizobium inoculation.

1013

Title	Bovine Stars of India
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.3
Frequency	One Time
Year	1987
Notes	
Annotation	All India cattle show organised by ICAR in identifying Healthy Cattle. Information on standard hybreeds and their breeding methods, genetic analysis of participated cattle are discussed.

1014

Title	Breeding Procedures in Pearl-Millet
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.8
Frequency	One Time
Year	1987
Notes	
Annotation	Procedures in breeding Pearl-Millet specially Pennisetum Typhoides 'S' and 'H', new methods in achieving high yield and Methods of controlling pest & insects are discussed.

1115

Title	Breeding Vegetables of Cross-Pollinated
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Rs.8
Frequency	One Time
Year	1987
Notes	
Annotation	Breeding vegetables by cross pollination, genetic technology developed by ICAR Labs is discussed.

1016

Title	Breeding of Drought Resistant Crops
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Rs.4
Frequency	One Time
Year	1985
Notes	
Annotation	Different drought resistant crops developed by ICAR labs, Identification of Drought & Flood prone areas, and new technologies developed for breeding Drought Resistant Crops are discussed.

1017

Title	A History of Agriculture in India, Vol. III
Author	Randhawa MS
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs. 45
Frequency	One Time
Year	1983
Notes	
Annotation	Contains history of agriculture for the period 1757 to 1947. Includes agricultural revolution in England in eighteenth century, Animal husbandry & Dairy farming in India in nineteenth century. Also contains 73 illustrations & an Appendix along with index.

1018

Title	A History of Agriculture in India, Vol. II
Author	Randhawa MS
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs. 37
Frequency	One Time
Year	1982
Notes	Contains 36 chapters and 70 illustrations.
Annotation	This book provides a panoramic view of the condition of the cultivators of the soil, crops and political & socio-economic environment in the mediaeval period of India, based on evidence from primary sources. It is not exclusively a history of agriculture but also a social history of that period.

1019

Title	Camels and thier Management
Author	Rathor G S
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.138
Frequency	Occasional
Year	1986
Notes	
Annotation	Provides in depth information on camel rearing, anatomy, physiology, breed charecteristics, housing, reproduction, diseases and treatment & management.

1020

Title	Cashewnuts
Author	
Publisher	ICAR
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Breeding & farming of Cashew crop, control of diseases, Marketing the product effectively for remunerative returns discussed.

1021

Title	Cashewnuts (Package of practice)
Author	
Publisher	ICAR
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Breeding, farming, control of diseases, Marketing the product effectively etc.

1022

Title	Cashewnuts for cash
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Cultivation method in Cashewnut. Information on high yielding new variety seeds developed in ICAR labs, marketing the Cashewnut are provided.

1023

Title	Cassava and Sweet Potato
Author	
Publisher	ICAR
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Cassava cultivation in diferent parts of the country; cassava major growing region, about varieties, hybrids released from CTCRI, plant protection, harvest and yield cultivation & plant protection of sweet potato.

1024

Title	Castor
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.15
Frequency	One Time
Year	1987
Notes	
Annotation	New methods developed in ICAR Labs in breeding castor for cultivation is listed. Methods of pest control also discussed.

1025

Title	Catalogue of Indian Insects
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.7
Frequency	One Time
Year	1986
Notes	
Annotation	Informative on different types of pests and occurrence places with respect to different crops, different methods of identifying the pests etc.

1026

Title	Cattle-Milk Consumption
Author	
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.5
Frequency	One Time
Year	1985
Notes	
Annotation	Production & Consumption of milk in breeding tracts of India and other related issues discussed.

1027

Title	Cattle-Milk Consumption and Production
Author	
Publisher	ICAR
Place	New Delhi
Type	Bulletin
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1985
Notes	
Annotation	A review report on a village with reference to production of cattle and production and consumption of milk, in Breeding tracts of India. Suggestions of breeding of high yielding milk producing cattle.

1028

Title	Cauli Flower
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Selection of land & atmospheric conditions which will suit, selection of variteies, water management, important diseases & pests, their control were provided.

1029

Title	Chicory in India
Author	Rao Narasinga
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.50
Frequency	One Time
Year	1985
Notes	
Annotation	Chicory farming places in India, present methods of farming, research developments for high yielding.

1030

Title	Chicory in India(Production Practice)
Author	Narasinga Rao
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.1
Frequency	One Time
Year	1985
Notes	
Annotation	Chicory farming places in India. Present methods of Farming. Reserach developments for high yielding.

1031

Title	Cholera Bacteriophages
Author	Mukerjee S
Publisher	PID
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.30
Frequency	Occasional
Year	1983
Notes	Includes a Bibliography of 212 titles
Annotation	Includes chapters on history of the Development, Bacteriophages Studies, properties, phage-typing of Vibrio Cholera, use of Bacteriophages for Prophylaxis & cholera treatment, techniqtes used in Cholera Bacteriophage studies.

1032

Title	Citrus
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Presents citrus varieties, control of diseases & pest spl die back diseases, pesticides for die back disease. Preservation of citrus fruit squashes discussed.

1033

Title	Citrus Diseases and Control.
Author	Reddy GB, Murti VD
Publisher	ICAR
Place	New Delhi
Type	Hand ook
Class	Open
Price	Rs.14
Frequency	One Time
Year	1985
Notes	
Annotation	Brief account of the important diseases affecting citrus trees in India, and the control of diseases.

1034

Title	Citrus(Package of Practices)
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Present Citrus varieties, control of diseases and pests. Spl Die back diseases, pesticides for Die back disease.

1035

Title	Coordinating Agronomical Experiments
Author	
Publisher	ICAR
Place	
Type	Research Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Information on different Agronomical experiments linked with other projects, review of the research results given.

1036

Title	Coordination of Agriculture Research
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Agriculture research carried out in different Agriculture Research Institutions, recent developments made in the institutions, monitoring of research progress, cooperation between research institutes are provided.

1037

Title	Cotton
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Packages of practices for increasing production in different zones and protection methods of cotton crop.

1038

Title	Cotton
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.5
Frequency	One Time
Year	1987
Notes	
Annotation	New production technologies developed in Cotton Cultivation. New varities of seeds, breeding procedures and Control of spotted bollworms discussed.

1039

Title	Crop Planning in Drought and Flood Prone Areas
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Identification of drought & flood prone areas. Planning of different crops according to drought & flood occurence, Technologies developed for crop production in drought & flood prone areas are discussed.

1040

Title	Crop substitution in Orissa
Author	Sahu BN
Publisher	Indian Council of Agricultural Research
Place	New Delhi
Type	Book
Class	Open
Price	Rs.12.50
Frequency	One Time
Year	1979
Notes	Cost Rs. 12.50
Annotation	Deals with crop substitution in Orissa like, agroclimatic regions, land use pattern, cropping intensity, cropping patterns, cropping, multiplei cropping, mid-season planting, environmental stress, production potential per unit area present limitations and suggested remedial measures discussed in 11 chapters.

1041

Title	Cultivation Cost of Field Crops
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.6
Frequency	Occasional
Year	1986
Notes	
Annotation	Cost analysis study on important field crops like wheat, maize, cotton, production statistics, market study etc.

1042

Title	Cultivation of Cloves in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.8
Frequency	Occasional
Year	1986
Notes	
Annotation	Nature of soil required, selecting high yielding varieties, water management, control of diseases & pests, application of fertilizers, farming methods of clove cultivation were given.

1043

Title	Cultivation of Medical Plants in Jammu and Kashmir
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Suitability of Weather and Soil required for Medicinal plants, cultivation methods for Medicinal plants. Different applications in medicines are provided.

1044

Title	Desertification
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Rs.30
Frequency	One Time
Year	1987
Notes	
Annotation	Controlling the expansion of desertification. Research programmes carried out on desertification control are the main items discussed.

1045

Title	Development of Fisheries:Lab to Land Programme.
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Information on the various steps taken to boost fisheries in India for use of general public given.

1046

Title	Diagnosis and Treatment of Helminthic Infections
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.10
Frequency	One Time
Year	1987
Notes	
Annotation	Identifying helminthic infections, methods developed in diagnosis, New techniques developed in the treatment of Helminthic infections discussed.

1047

Title	Diagnosis of Tuberculosis in Animals
Author	Lall JM
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Rs. 2
Frequency	One Time
Year	1978
Notes	With special reference to the Tuberculin Test.
Annotation	Details of diagnosis of tuberculosis in animals by X-ray and laboratory examination, complement fixation test, tuberculin test, tuberculin reaction, infection producing non-specific sensitizations, other causes, choice of tuberculin, comparative value of tuberculin tests.Tuberculin test in fowls etc.

1048

Title	Dictionary of Economic Plants in India
Author	Singh V, Wadhwani AM and Johri BM
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.20
Frequency	One Time
Year	1983
Notes	
Annotation	Includes nearly 1700 plants sps listed in alphabetical order of their scientific names with family name. English & Hindi terms, brief account of Habit of the Plant, Present areas of cultivation or Distribution & Uses. At the end are given Bibliography & Index of Hindi & English Name

1049

Title	Diosgenin and other Steroid Drugs
Author	Asolkar LV, Chadha YR and Rawat PS
Publisher	PID
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.36
Frequency	Occasional
Year	1979
Notes	
Annotation	Besides Introduction, chapters are on Sources, Extraction & easy procedures, conversion to Steroid Drugs, Steroid Drug Pre-Cursors, Production Requirements & Trade. Two appendices are given on Plant Species containing Diosgenin, Glossary of Botanical and Agricultural names.

1050

Title	Directory of Agriculture Research Management Scientists
Author	
Publisher	ICAR
Place	New Delhi
Type	Directory
Class	Open
Price	Rs.2
Frequency	Occasional
Year	1986
Notes	
Annotation	Directory of different scientists working in management cadre in different agriculture projects, position or designation of the officer etc.

1051

Title	Directory of Conferences, Seminars, Symposia Workshops in Animal Sciences
Author	
Publisher	ICAR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Periodical
Year	1985
Notes	
Annotation	Report covers various symposia and conferences held in the area of animal sciences.

1052

Title	Directory of Congress, Seminars, Symposia, Workshop in Agriculture
Author	
Publisher	ICAR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Half yearly
Year	1987
Notes	
Annotation	The conferences, symposia meetings, workshops in agriculture held in July-December' 87; entries give title, date, venue etc.

1053

Title	Directory of Research Workers in India-1987
Author	
Publisher	ICAR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Periodical
Year	1988
Notes	
Annotation	Latest list of ICAR labs, projects, Agricultural universities, and of the scientists & research workers working in the organisations.

1054

Title	Directory of Research Workers in India, 1986
Author	
Publisher	ICAR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Published by Publication and Information Division.
Annotation	Contains the names, designations, qualifications & specialisation of scientists working at the ICAR Research Institute/ Laboratories/ Bureaux, National Research Centres, Project Directorates & in various research projects of Council. Also includes Agricultural Universities, Central & State Govt. Departments

1055

Title	Diseases of Crops & their Control
Author	
Publisher	ICAR
Place	New Delhi
Type	Bulletin
Class	Open
Price	Rs.2
Frequency	Occasional
Year	1985
Notes	
Annotation	Viral diseases of different crops, controling virus diseases by aerial spray technique and control of virus like diseases were given.

1056

Title	Dry Farming - Package of Practices for increasing Production - Central Region
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Technology for better Crops - 40.
Annotation	Highlights Central Region's (U.P. and M.P.) Soils, Rainfall, Water Conservation, Nature of Alluvial, Black and Submontane soil, fertility and crop management are given in text and table form.

1057

Title	Dry Farming - Package of Practices for increasing Production - Eastern Region
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Technologies for better Crops - 38.
Annotation	Nature of Soil, Rainfall, Water Conservation, Crop Management in Red Soils of Bihar & Orissa are given. Crops and varieties, alternative Crop Strategies, fertilizer use etc. in Red soil are given as tables.

1058

Title	Dry Farming Northern Region
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Report of work done at Central Dryland Research Institute.
Annotation	The package of practices for increasing production in drylands of north India, nature of soils, water conservation of dry lands, north region submount soils & desert soil, and their crop management discussed.

1059

Title	Dry Farming Southern Region
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	This is the 39th issue on dryfarming packages of practices for increasing production
Annotation	Gives information on nature of soil and rainfall in Southern Region of India. Water conservation, nature of Red soil & black soil and improved methods of crop management in these soils discussed.

1060

Title	Dry Farming Western Region
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Nature of Soil & rainfall in western India, management & method of water conservation discussed, drylands in western region identified.

1061

Title	Dry-Land Agriculture : Research Progress Report
Author	
Publisher	ICAR
Place	New Delhi
Type	Progress Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Achievements in Dry Land Agriculture, new technologies used in dry land, Dry fodder preparation methods, dryland agriculture research projects completed and the progress are discussed in this report.

1062

Title	Dryland Agriculture
Author	
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Dryland Agriculture and integrated dryland farming, progress reviewed and future plans discussed.

1063

Title	Dryland Improvement
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Report on dryland farming technologies; includes sample experiments, results of the succesful experiments, modern techniques for dryland farming etc.

1064

Title	Establishment and Operation of the Farm
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.1
Frequency	One Time
Year	1987
Notes	
Annotation	Brochure provides information on farm cultivation, establishing a farm for cultivation. Selection of farm structure, recent farm technologies developed in India and management of a farm.

1065

Title	Evaluation Commitee on Lab to Land Programme (Phase II to IV)
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Objectives, achievements, planning of Lab to Land programme, In the years from 1985-88.

1066

Title	Evaluation Commitee on Lab to Land Programme (Phase III)
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Findings and implementation of Agriculture Research for improved yields reviewed.

1067

Title	Exploitation of Hybrid Vigour in Vegetables.
Author	Singh Harbhajan, Swarup Vishnu & Singh Brijendra.
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Rs.105
Frequency	One Time
Year	1988
Notes	
Annotation	Manifestation of hybrid vigour in vegetables, production of inbred lines and parental varieties and testing of their combining ability techniques of hybrid seed production, present position of hybrid vegetables, discusssed.

1068

Title	Farm Management Extension and Research
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.25
Frequency	One Time
Year	1987
Notes	
Annotation	Provides information on the research carried out on extending farm cultivation. Recent technological achievements made by ICAR are also listed.

1069

Title	Farm Science Centre
Author	
Publisher	ICAR
Place	New Delhi
Type	Newsletter
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1987
Notes	
Annotation	This monthly publication of ICAR disseminates information on the activities of FARM SCIENCE CENTRES engaged in developing various farm technologies as also about various Research projects etc.

1070

Title	Farmers in India-vol IV
Author	Randhawa MS, Nath V, Vaidya S, Patel HM, Patel MD and Kadam BS
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 14
Frequency	One Time
Year	
Notes	Excellent figures displaying different cultures of MP, Maharashtra, Rajasthan & Gujarat given.
Annotation	Presents Agricultural conditions in MP, Maharashtra, Gujarat & Rajasthan. Provides an account of the Topography, Soils, Climate, Crops, Agricultural Practices, Village Organisations & Folk Cultures. Divided into 4 sections, each section covers a State.

1071

Title	Feeding farm animals during scarcity
Author	Ranjhan SK and Khera RC
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.4.5
Frequency	One Time
Year	1981
Notes	
Annotation	Deals with feeds of farm animals in scarcity in 5 chapters. 21 unconventional concentrates like mango seed kernel, mahua cake etc. 19 roughages like pipal leaves, bamboo leaves etc. 5 industrial bi-products like sea product wastes, sugar industry wastes etc.discussed. Strategy of feeding included.

1072

Title	Feeding of Poultry
Author	Nanda B
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Explains nutrients in foods, digestion and metabolism nutrients, requirements and allowances, feed formulations, toxic substances, feed quality and control, feeding management feeding during extreme weather etc.

1073

Title	Feeding of dairy cattle and buffalo
Author	Arora SP
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.10
Frequency	One Time
Year	1988
Notes	
Annotation	Details of feeding of Buffaloes and cattle and nutritional requirements of livestock are discussed under 8 chapters. Processing of fodder, preservation, rearing of calves, feeding for milk production, reproduction and work, feeding in drought and flood conditions etc.

1074

Title	Fermentation of Organic Material
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.2
Frequency	Monthly
Year	1987
Notes	
Annotation	Preparation of fuel gas and manure by anaerobic fermantation of organic materials discussed.

1075

Title	Fertilizer Application
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Application of different types of Fertilizers, including Artificial Fertilizers to different crops, optimum fertilizer quantities have been discussed.

1076

Title	Fertilizer containing partially water-soluble or no water-soluble phosphate
Author	Rajendra Prasad and Dixit L A
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Rs. 3.25
Frequency	One Time
Year	1978
Notes	
Annotation	Reviews the agronomic effectiveness of phosphotic fertilizers under the heads: Phosphorous materials (Bone-meals rock phosphate, basic slag, di-calcium phosphate, thermal phosphates), phosphorous nitrozen materials. (Nitrophosphates, ammoniated superphosphate etc.).

1077

Title	Fertilizer use for Intensive Maize Production
Author	Jain GL and Mahapatra IC
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.15
Frequency	One Time
Year	1987
Notes	
Annotation	Importance of maize in Indian Agriculture, discussed, Soil nutrition in relation to use of fertiliser in Maize production highlighted.

1078

Title	Fertilizer use in Groundnut
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Brought out under Technologies for Better Crops-30.
Annotation	Talks about use of Fertilizers in Groundnut cultivation, organic manures & chemical fertilizers. Tables contain information on important manures and fertilizers used in groundnut crop and recommended doses.

1079

Title	Fertilizers response in Groundnut
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.3
Frequency	Occasional
Year	1987
Notes	
Annotation	Present status of nutrients in the land under the cultivation of groundnut, yield of groundnut crop after the application of fertilizers discussed.

1080

Title	Finger Millet and other minor Millets
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Brought out under series of publications on Technologies for Better Crops-18.
Annotation	Talks about Finger Millets, its varieties, cultivation, diseases, insect pests & their Control & Harvesting & Threshing. Also discusses other minor Millets, their adaption, cropping systems, varieties, recommended organic package, harvesting & threshing.

1081

Title	Fish Culture in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.2
Frequency	One Time
Year	1985
Notes	
Annotation	Improved Fish culture & catchment technology, prawn culture, feeding methods etc., different types of processing methods, fish processing and preservation techniques discussed.

1082

Title	Fish Culture in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.1
Frequency	One Time
Year	1987
Notes	
Annotation	Present situation in Fish Culture in India, breeding methods of different types of fishes, suggested methods of developing fishery culture as an industry, preservation & processing of fish are discussed.

1083

Title	Fish processing in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1985
Notes	
Annotation	Different methods of fish processing, technology for preservation and canning, uniform international standards in processing the fish etc.

1084

Title	Fish processing in India.
Author	Moorjani MN
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.17
Frequency	One Time
Year	1987
Notes	
Annotation	Different methods of fish processing and extraction and utilization of fish by-products.

1085

Title	Fisheries and Fishing Industry in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Present position of Fishing Industry in India. Suggested methods of Catchment and Cultivation, Processing and Preservation of Fish are the main articles listed.

1086

Title	Flourie Culture
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.48
Frequency	One Time
Year	1986
Notes	It was brought on 80th birth day of B.P.Lal
Annotation	Flourie culture research Rose, Chrysanthemum, Dahlia, Gladiolus, Boogainuilla, Jasmine, Orchids, Bonsai culture, essential oils from ornamentals, hybrid seed production, in flowers and export of ornamental plants.

1087

Title	Forage and Pasture Insect Pests of Rajasthan
Author	
Publisher	ICAR
Place	New Delhi
Type	Guide
Class	Open
Price	Rs.22
Frequency	One Time
Year	1987
Notes	
Annotation	Different types of insect pests which attack forage crops in Rajasthan state and methods of controlling insect pests are discussed.

1088

Title	Forestry for People
Author	Shah SA
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.25
Frequency	One Time
Year	1988
Notes	
Annotation	Present position of forestry in India.Importance of social forestry proposed developments for social foresty. Techniques of planting & management discussed.

1089

Title	Freswater Fish Culture.
Author	Sinha BRP
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.7
Frequency	One Time
Year	1985
Notes	
Annotation	Principles of fish culture, management techniques, hazards of fresh water fish culture, economics of fresh water fish culture.

1090

Title	Genetic analysis of a closed herd of Haryana cattle
Author	Acharya RM, Balaine DS, Mohan M
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.9
Frequency	One Time
Year	1977
Notes	
Annotation	Contains 13 chapters. Gives a general description and characteristics of the breed, information on the herd at Hissar, feeding, management and breeding policy, performance traits, selection indexes, genetic progress, results of crossing and effect of weaning.

1091

Title	Genetical Research in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 40
Frequency	One Time
Year	1983
Notes	Published on the occasion of International Congress of Genetics, New Delhi, India, Dec.12-21, 1983.
Annotation	Includes 17 articles divided into two parts. Part I: Advances made in Genetics of Algae, Fungi, Brayophites, Pteridophytes & Flowering Plants. Part II: Animal Kingdom- covers Insects, Fishes, Amphibians, Reptiles & Birds. Livestock improvement, Bloodgroup research also include at the end.

1092

Title	Glossary of Indian Medicinal Plants with a Supplement, 2 Vols.
Author	Chopra RN, Nayar SL and Chopra IC
Publisher	PID
Place	New Delhi
Type	Reference Book
Class	Open
Price	Rs.62
Frequency	Occasional
Year	1986
Notes	Reprinted 1986, originally published in 1956.
Annotation	Plants arranged A-Z by Botanical names with indexes of Vernacular names, Chemical constituents;List of Books & Journals consulted.

1093

Title	Grain Amaranths, Buck-wheat and Chenopods
Author	Harbhajan Singh and Thomas TA
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 8.40
Frequency	One Time
Year	1978
Notes	
Annotation	Contains 3 chapters dealing with Grain Amaranthus, its Origin, Distribution, Botany, Breeding, Genetical, Cytogenetical studies, Cultivation & Uses; Chenopods. In the tables are given nutritive values & their Biproducts etc.

1094

Title	Gram Package of Practices
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Modern production techniques developed by ICAR labs, choice of cultivation methods provided.

1095

Title	Grape Cultivation in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand ook
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Different grape varieties, techniques of choosing high yielding varieties, methods of drying, different methods of grape cultivation, pesticides, production of gibberellins etc.

1096

Title	Grass Lands and Fodder Resources
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.2
Frequency	One Time
Year	1985
Notes	
Annotation	Resources of grass lands & fodder in India located in different regions, Importance of fodder, preservation of Fodder varieties etc discussed.

1097

Title	Grasses and Legumes for Forage and Soil Conservation
Author	Shankarnarayan KA and Vinod Shankar
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.21
Frequency	One Time
Year	1987
Notes	
Annotation	Presents the varied roles that grasses and legumes play in forage production soil conservation under various ecological conditions discussed.

1098

Title	Groundnut Cultivation
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Improved methods in farming, the ground nut in diffrent regions of India, control of diseases & pests, Improved high yield varieties etc. discussed.

1099

Title	Groundnut-Deficiency of Micro Nutrients
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1988
Notes	
Annotation	Present methods of Ground Nut farming, deficiency of micro nutrients in present farming techniques to improve the sufficiency of micronutrients in the crop.

1100

Title	Groundnut Monograph
Author	Reddy PS
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 100
Frequency	One Time
Year	1988
Notes	Earlier published under the authorship of C R Sheshadri, Indian Central Oil Seeds Committee, 1962.
Annotation	Contains 15 articles by individual authors on Groundnut, its Botany, Anatomy, Physiology, Cytogenetics, Genetics, Breeding & varieties cultivation, Storage & Marketing, Pest control, Nematode virus diseases, Mycotoxim Problem, Nitrogen Fixation, Chemistry, Utilisation etc.

1101

Title	Groundnut Nutrition and Fertilizer Responses in India
Author	Kanwar JS, Nijhawan HL and Raheja SK
Publisher	ICAR
Place	New Delhi
Type	Hand ook
Class	Open
Price	Rs.135
Frequency	One Time
Year	1986
Notes	
Annotation	Climate & soil required for ground nut cultivation, the role of Nitrogen, Phosphorous, Potassium calcium & micro nutrients in the production of ground nut, etc discussed.

1102

Title	Groundnut Production Technology for Rabi/Summer Cultivation
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Brought out under Technologies for Better Crops-26.
Annotation	Discusses soils required for groundnut cultivation , time of sowing, application of Rhizobial culture, fertilization, correction of micronutrient deficiency, weed control, irrigation, plant protection etc.

1103

Title	Groundnut Varieties of India
Author	Basu MS, Reddy PS
Publisher	ICAR
Place	New Delhi
Type	Bulletin
Class	Open
Price	Not Priced
Frequency	Periodicall
Year	1987
Notes	This is the seventh bulletin on groundnut project.
Annotation	Presents new varieties relased in India; zone wise morphological characters of each variety of groundnut discussed.

1104

Title	Groundnut Weeds Control
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Types of weeds which attack Ground nuts, methods of their control etc discussed.

1105

Title	Growing the Paddy
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Oone time
Year	1989
Notes	
Annotation	Rice cultivation in India, Package of practices in Rice cultivation for achieving higher yields, methods of controling Rice pest, Review of Rice research in progress under various ICAR sponsered projects.

1106

Title	Growing the Paddy (Package of Practices)
Author	
Publisher	ICAR
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Present methods in the cultivation of paddy. Information on new varities released. Package of practices developed for high yield. Methods of controlling pest.

1107

Title	Growth of Agricultural Education
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.2
Frequency	Occasional
Year	1985
Notes	
Annotation	Development of Agricultural education in both higher level & lower levels, different techniques of educating the farmer on selection of high yielding varieties, application of different fertelizers & pesticides etc were provided.

1108

Title	Guava in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.2
Frequency	One Time
Year	1985
Notes	
Annotation	Places of Guava cultivation in India, Nature of soil required, Present varieties in India, New developed varities resistant to diseases discussed.

1109

Title	Guava in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.2
Frequency	One Time
Year	1987
Notes	
Annotation	Cultivating and marketing guava in India; extraction of juice is high lighted.

1110

Title	Guide lines for Financing Research
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	General guidelines for the formulation of the research project, methods of processing the application, scruitiny, sanction, implementation and evaluation of the scheme were the main items given

1111

Title	Guide to Anatomy - Camel
Author	
Publisher	ICAR
Place	New Delhi
Type	Guide
Class	Open
Price	Rs.3
Frequency	Occasional
Year	1986
Notes	
Annotation	Informative on internal diseases, surgery practices etc.

1112

Title	Hand Book of Agriculture.
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.30
Frequency	One Time
Year	1987
Notes	
Annotation	Indian agriculture, and the crops grown in the country, management, control of pests & diseases, storage and marketing, agricultural extension education, agricultural legislation, condiments, spices etc.

1113

Title	Hand Book of Animal Husbandry
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.16
Frequency	One Time
Year	1987
Notes	
Annotation	This handbook contains information on techniques of breeding animals, their feeding, habits, Animal diseases and their control, Animal fodder like paddy straw and their Nutrine values, Various aspects of Research on theses topics as also proceedings of different committees.

1114

Title	Hand Book of Fisheries.
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.235
Frequency	One Time
Year	1986
Notes	
Annotation	Information about fisheries technology, latest developments in fisheries technology, preservation of fish etc., discussed.

1115

Title	Handling and Storage of Food Grains
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.15
Frequency	One Time
Year	1986
Notes	
Annotation	Provides general information on handling large quantities of food grains. Different methods observed all over the world in storing food grains. Open storage method of food grains. New methods developed for handling & storing of Wheat & Rice in India.

1116

Title	Helminth Parasites
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Identification of Helminth parasites, control of Parasites specifically in live stock.

1117

Title	Home Gardening
Author	Trivedi Pratibha
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.75
Frequency	One Time
Year	1987
Notes	A doctral thesis on farming of fruits & vegetables useful to common people intrested in gardening.
Annotation	Information on the gardening of ornamental foliage and frangrant plants fruits and vegetables, planning and landscapping of Home gardens.

1118

Title	How to get better Jowar Yields
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	It provides latest information on new vatiety of seeds, cultivation methods, application of fertilizers & micro nutrients for achieving high yields of Jowar.

1119

Title	Hybrid maize
Author	Vittal Rao, S
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.7.50
Frequency	One Time
Year	1983
Notes	
Annotation	Gives under 7 chapters details of Hybrid maize ; classification and origin, maize, breeding, maize research in India, cultivation of maize, plant protection measures, commercial production of Hybrid maize etc.

1120

Title	ICAR (Emeritus Scientist Scheme).
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Reviews the progress of various reserarch projects being conducted by ICAR Emeritus Scientists during the period 80-83. Subjects covered are Crop System, soil, climate reserach etc.

1121

Title	ICAR Annual Report 85-86
Author	
Publisher	ICAR
Place	New Delhi
Type	Annual Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Includes details of expenditure incurred in ICAR in the year 85-86 in diffrent projects and administrative expenses. List of members & E.C.members, ICAR council members as also members in different Committees of ICAR. Details of aid received from external sources given.

1122

Title	ICAR Budget Proposal 85-86
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Covers statement of actual expenditure for the financial years 81-82& 82-83 and budget estimates for 85-86.

1123

Title	ICAR Budget Proposal 87-88
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	
Annotation	Statement of actual expenditure for the financial years 83-84 & 85-86 and budget estimates for 86, 87, 88.

1124

Title	ICAR Reporter April-June 87
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	1987
Notes	
Annotation	The achievments of ICAR, collaborative R&D Projects, work plans, news on seminars, Technology implementation, Technology demonstrations, Introduction of new variety crops. Visits of distinguished guests etc.

1125

Title	ICAR Research Education & Extension Institutions and Projects in India.
Author	
Publisher	ICAR
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	ONe Time
Year	1987
Notes	Compiler Shri P C Bose, Revised Edition 1987.
Annotation	Provides Statewise location of ICAR Institutes, projects & centres concerned with research, education & extension in the entire Country.Contains details like National Research Centres, Regional Research Stations, Project Directorates, All-India Coordinated Research Projects etc.

1126

Title	ICAR-IBRD National Agricultural Report-NARD-Phase III
Author	
Publisher	ICAR
Place	New Delhi
Type	Progress Report
Class	Open
Price	Not Priced
Frequency	Periodical
Year	1988
Notes	This is an appraisal report on NARD phase 3.
Annotation	Reviews the progress of various NARD sponsered research projects in different parts of the country with special reference to agriculture development in Tribal Areas.

1127

Title	ICAR-IBRD National Agricultural Research Project Appraisal Report-NARP Phase I&II Zone 4 Central Dry Zone
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	ICAR-IBRD sponsered research projects specifically, NARP Phase I&II for Central Dry Zone reviewed.

1128

Title	ICAR-IBRD National Agricultural Reserch Project Report
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	Apprisal report on MTD to high altitude areas of J&K.
Annotation	Review committe proposed plan on bridging the research facilities of hoticulture, agro foestry, animal nutrition, commercial crops, water resources management etc.

1129

Title	ICAR-IBRD-NARP for Zone 5
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Periodical
Year	1985
Notes	
Annotation	ICAR-IBRD-NARP Coordinated research projects in progress in Zone V i.e. Southern plains & Aravili Hills reviewed.

1130

Title	ICAR-Operational Research Projects
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Information on Agriculture all India coordinated research projects in various aspects of Agriculture including dry land improvement project, Agriculture production technology developments projects on different crops.

1131

Title	Improvement of Administrative Efficiency
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Improved methods in Agriculture Research Administration and monitoring Research Projects are discussed.

1132

Title	India's March towards Accelerated Agricultural and Rural Development
Author	Dhillon GS
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Provides information on rural water source development, poverty allevation, development of fertilizers, agriculture and education and other related rural development programmes.

1133

Title	Indian Agricultural Research. Vol-1-1965
Author	
Publisher	ICAR
Place	New Delhi
Type	Scientific Journal
Class	Open
Price	Rs.144
Frequency	Monthly
Year	1987
Notes	This is the issue of March 1987 of Indian Agricultural Research. Journal started in Jan 1965.
Annotation	Recent Agro technological developments, improved practices for increased production of crops. Also includes a list of Agriculture Research Institutions.

1134

Title	Indian Coordinated Pearl Millet Improvement Project
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Progress report on agronomy, pathology, physiology, enotomology on finger millet, foxtaic millet, kodo millet, little millet, proso millet etc (1986-87).

1135

Title	Indian Farming
Author	
Publisher	ICAR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs.2
Frequency	Monthly
Year	1988
Notes	This is the August 1988 issue of Indian Farming.
Annotation	Topics included in this issue of Indian Farming are Sugarcane profitability, Jute based cropping system under rainfed conditions, production of rust resistant Wheat variety, growing Gobi, growing Rabi oil seeds in Punjab, inter space of fruit trees, on Sodic soils etc.

1136

Title	Indian Horticulture
Author	
Publisher	ICAR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs.3
Frequency	Quarterly
Year	1988
Notes	This issue was published in the quarter of Apr-June-88.
Annotation	Mushrooms cultivation controling the bark;control of Cater Pillars, fruit setting of Tomato in U.P are the important articles of this issue.

1137

Title	Indian Journal Animal Sciences
Author	
Publisher	ICAR
Place	New Delhi
Type	Scientific Journal
Class	Open
Price	Not Priced
Frequency	Annual.
Year	1987
Notes	
Annotation	Contribution to the biology of fowl cestodes raillietina tetragona, rcesticillus and rechinobothrida and topics in Animal Diseases Animal Husbandry etc are included in this journal.

1138

Title	Indian Journal of Agricultural Sciences.
Author	
Publisher	ICAR
Place	New Delhi
Type	Scientific Journal
Class	Open
Price	Not Priced
Frequency	Periodical
Year	
Notes	
Annotation	Agricultural research & technological trends in India, especialley in ICAR, awards won by ICAR scientists in diffrent fields, Review of latest book on Agriculture sciences.

1139

Title	Indian National Agricultural Bibliography 1975-84
Author	
Publisher	ICAR
Place	New Delhi
Type	Directory
Class	Open
Price	Rs. 1200
Frequency	One Time
Year	1987
Notes	4 volumes.
Annotation	Includes 30000 references derived from AGRIS Database. Contains references from Journals, Conference Proceedings, Reports, Technical Bulletins, Books & Monographs published in India. Classified into 85 subject categories, furhter divided into Commodities like Plants, Animals etc.

1140

Title	Indian Potato Journal. Vol.I 1959
Author	
Publisher	ICAR
Place	New Delhi
Type	Scientific Journal
Class	Open
Price	Rs.24
Frequency	Periodical
Year	1987
Notes	This journal was started in May, 1959. Present issue is Feb 87.
Annotation	Recent technological developments, Information on new varieties, Control of diseases and pest of fungal and virus nature diseases.

1141

Title	Induced Breeding of CARPS
Author	Hiralal Chaudhury, Singh SB
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Monograph
Annotation	Fish culture with the technique hypophysation with special reference to major Indian and Chinese carps.

1142

Title	Insect Parasites of Livestock and their Control
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.2
Frequency	Occasional
Year	1987
Notes	
Annotation	Different types of parasites of livestock, identifying of the diseases of live stock due to parasites, controling method are listed.

1143

Title	Insect Pests of Agriculture Imporatance in India
Author	Lal Rattan
Publisher	ICAR
Place	New Delhi
Type	Guide
Class	Open
Price	Rs.6
Frequency	One Time
Year	1987
Notes	
Annotation	Critical review of toxicological investigations on Insect Pests of Agricultural importance provided, suggestions of the experts in minimising toxicological effects also included.

1144

Title	Insect Physiology and Anatomy
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.12
Frequency	Occasional
Year	1985
Notes	
Annotation	Lectures on different insects which attack different crops. Insect studies on physiology & anatomy, control of mites insects were discused.

1145

Title	Insects and Mites of Crops in India
Author	Bair NRGK
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Deals with insects mites affecting Indian crops such as millets, pulses, oil seeds, fibre crops, sugarcane, tadica vegetables, fruits, condiments & spices, frugs dyes narcotic plants, garden plants, green manure plants, fodder crops

1146

Title	Integrated Cotton Development Project
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Review on the development project, achievements made by the project in development of new variety of seeds, new methods of controling the diseases & pests etc.

1147

Title	International Congress & Genetics
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Charcteristics of genetics in different seeds, improvment of genetics technology in Agriculture for high yielding crops, present status of research in plant genetics.

1148

Title	International Science and Technology Conference Reports of Non-CSIR Scientists, 1985 and 1986
Author	
Publisher	PID
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Consists of a collection of papers presented by Non-CSIR Scientists funded by CSIR, in International Conferences in Natural Sciences, Medial Sciences, Physical Industrial & Engineering Sciences.Highlights important aspects of the conferences and findings which could be disseminated to the scientists.

1149

Title	Irrigation of Field Crops
Author	Prihar SS and Sandhu BS
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.24
Frequency	One Time
Year	1987
Notes	
Annotation	Includes 8 chapters. Soil as a water reservoir, Soil-moisture measurement, Soil-water-plant relationships, On-farm water management, Criteria of irrigation scheduling, Optimum irrigation schedules for crops. At the end is given Subject & Author Indexes. Extensive ref. are given for each chapter.

1150

Title	Job's Tears
Author	Venkateshwarlu, J and Chaganti, SK
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 3.15
Frequency	One Time
Year	1973
Notes	ICAR Technical bulletin No.44
Annotation	Gives details of coix lacryma-jobi L under 7 chapters: History, botanical aspects, cyto logy of the jobs tears. Genetics and breeding, relationships with other cereals and uses of the cereal etc.

1151

Title	Joint Indo-American Team Research
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Research and survey in Agriculture technology and agriculture education, technology demonstrations.

1152

Title	Jowar
Author	Nair KB
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 6.20
Frequency	One Time
Year	1980
Notes	ICAR Low Priced Books Series 6.
Annotation	Total 28 chapters, 16 chapters cover Jowar, its cultivation, Diseases, Pest control, Seed production technology, its Nutritive values, Culinary qualities, etc. Chapters 17 to 28 cover R&D on Jowar in Maharashtra, MP, AP, TN, Karnataka, Rajsthan, Gujarat.

1153

Title	Jute-Package of Practices for increasing Production
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Brought out under Technology for Better Crops-21.
Annotation	Talks about the Jute Crop, Jute-growing regions, inter cultural operations, control of pests & dieases, retting of jute, jute grading & marketing. Annexures (4) contain important varieties, crop rotation, pests of jute & their control & diseases of jute and their control.

1154

Title	Key Village Scheme
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Identification of a village, Implementation of Research & Technological developments in Agriculture by ICAR.

1155

Title	Kharif Maize
Author	
Publisher	ICAR
Place	New Delhi
Type	Bulletin
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	This bulletin is 35th in the series.
Annotation	Choice of inputs, assesment of site, irrigation requirements needed for the improvement of kharif Maize crop production.

1156

Title	Krishi Vigyan Kendra
Author	
Publisher	ICAR
Place	New Delhi
Type	Journal
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1987
Notes	
Annotation	Provides information on Agriculture technology demonstration to farmers, including cultivation methods, new production technologies, new high yielding varities of different crops.

1157

Title	Lab to Land (Crops)
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Information about the latest technological developments in Rice research and the efforts to reach this research and developments to the farmer documented.

1158

Title	Lab to Land Programme
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Provides information on the particulars of the lab to land project; covers constitution of the evaluation committee, programmes and achivements of the project, brief highlights, modalites, recomendations of the project.

1159

Title	Lead Papers
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Collection of papers on soil conservation & water shed management, Problems of soil conservation and its prospects. Nourishment consideration for man, plant & animal, adoption of water shed management for survival & prosperity etc are discussed.

1160

Title	Linseed
Author	Gill Khem Singh
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.73
Frequency	One Time
Year	1987
Notes	This book is meant for research and extension workers.
Annotation	Linseed, it's origin, distribution, morphology taxonomy, cytogonetics, mutation, tissue culture, genetics agronomy, Physiology, chemistry diseases, pests of linseed, stroage processing and marketing discussed.

1161

Title	Livestock Production
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.1
Frequency	One Time
Year	1987
Notes	
Annotation	New successful research achievements made in Live stock production. Some common diseases in Livestock; different hybrid varities of livestock, Genetic Technology of livestock developed in India are given.

1162

Title	Maintenance of Soil Fertility
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.2
Frequency	One Time
Year	1987
Notes	
Annotation	Suggested methods of Soil Fertility preservation, application of Micronutrients to improve fertility, prevention of soil erosion are given.

1163

Title	Major Cereal Diseases - Rice
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.6
Frequency	One Time
Year	1987
Notes	
Annotation	Different type of diseases which attacks cereal crops, mainly Rice. Methods of controlling major diseases with minimum Toxicological Effects discussed.

1164

Title	Managment of Rodent Pests
Author	Iswar Prakash and Mathur RP
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.19
Frequency	One Time
Year	1987
Notes	
Annotation	A compilation of Information on damage to Agriculture Produce by RODENTS in the different parts of Indian Subcontinent. Various pest contol methods adopted to combat this menance and the management aspects together with ecological consideration.

1165

Title	Mango
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.40
Frequency	One Time
Year	1987
Notes	
Annotation	Detailed information on different mango varities, selection of seed, selection of site, water management, application of fertilizers & pesticides, extraction & preservation of juice, marketing method for juice have been discussed.

1166

Title	Manual of Sugarcane Production in India
Author	Srivastsava SC, Joharips DP
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.25
Frequency	Occasional
Year	1985
Notes	
Annotation	All possible practices for each crop production, new production technology, production and gap statistics discussed.

1167

Title	Manures and Manuring
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.2
Frequency	One Time
Year	1987
Notes	
Annotation	Analysis of manurial experimenting in india, general review of results of past experiments with fertilizers in India, results of experiments conducted in the past in Pusa and Mysore, experimental stations with statistical tables given.

1168

Title	Mater
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Different methods of production, practices developed by ICAR, new varities released, application of fertilizes & pesticides & cultivation etc.

1169

Title	Mechanical Cultivation in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	New technological developments in cultivation. Development of mechanisation for seed planting, wheat-farming, crop cutting have been given.

1170

Title	Micro Biology
Author	Arora SP
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1978
Notes	A concise report of the present knowldge.
Annotation	Role of microbiology microbes in human digestion.

1171

Title	Microbial Digesttion in Ruminants
Author	
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.12
Frequency	One Time
Year	1986
Notes	A concise report of the present knowledge.
Annotation	Role of microbes in humen digestion discussed.

1172

Title	Monograph on Estimation of Wool Production
Author	Daroga Singh, Rajagopalan M and Maini JS
Publisher	Indian Council of Agricultural Research
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 2.60
Frequency	One Time
Year	1970
Notes	
Annotation	Includes 4 chapters dealing with the present status of wool statistics in the country & need for their improvement, discussions on the pilot sample surveys conducted by the Institute in Sheep Breeding Tracts, Salient results from the surveys. Sampling design for adoption by the States & 4 Appendices.

1173

Title	Mucorales of India
Author	Tandon RN
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 12.50
Frequency	One Time
ar	1968
Notes	
Annotation	Describes Saprophytic & diseases causing Mucorales, their Structure, Reproduction, Physiology, Taxonomy, etc. 67 sps in 19 genera are discussed includes all the types reported from India under Families. Extensive Biblography given at the end along with an Appendix showing Indian Species.

1174

Title	National Agricultural Research Project
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Report of the ICAR appraisal commitee for eastern zone of Haryana for strengthening Karnal, Kaul and Ambala. Establishment of research stations at Khari Nadwa, Buria, Bunga and Rohtak.

1175

Title	National Agriculture Research Project
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1985
Notes	
Annotation	Review report carried out by ICAR research review comitee on Assam Agricultural university, present research projects carried out in university under NARP facilities & additional equipment for research.

1176

Title	National Demonstration Project - An Overview 87
Author	
Publisher	ICAR
Place	New Delhi
Type	Review Report
Class	Open
Price	Not Priced
Frequency	Periodical
Year	1987
Notes	Review of project started in the year 1985.
Annotation	The achievements of the National Demonstration Project in Agricultural Techniques reviewed.

1177

Title	Niger
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Cultivation of Niger, Agricultural research developed methods for increasing production, control of diseases & pests etc.

1178

Title	Niger Package of Practices
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1986
Notes	
Annotation	Production practices to be adopted by farmers in Niger production, research on new production of fertilizers, water management, cultivation method etc.

1179

Title	Non Symbiotic Nitrogn Fixation and the Organic matter in the Tropics
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	This is a Seminar Proceedings held at IARI Delhi, in the month of September 1985.
Annotation	Problem of Nitrogen fixation and the use of organic matter during cultivation in Tropics discussed.

1180

Title	Nutrient requirements of Live Stock and Poultry
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.3
Frequency	One Time
Year	1985
Notes	
Annotation	Recommendations of the scientific panel on animal nutrition and physiology, feed standards, finalization of feed standards to animals & poultry.

1181

Title	Oats
Author	Mehra KL
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.14
Frequency	One Time
Year	1976
Notes	
Annotation	Gives an account on early History & Archeology, Origin, Domestication & Migration of Oats culture, Biosystematics including Cytogenetics & Texonomy, Genetics & Breeding for specific Traits, Grain & Herbage quality, Plant protection & Industrial usages.

1182

Title	Oedogoniales
Author	Gonzalves Ella
Publisher	ICAR
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	The occurence, distribution, morphology, taxonomy, cytology, ecology, physiology, aseyual and seyual reproduction of about 1, 190 species belongs to the order oedogoniales.

1183

Title	Onion and Garlic Cultivation
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Present methods in farming, improved new varities resistant to diseases & pests. Methods to have high yielding.

1184

Title	Organic Manures
Author	Gaur AC
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.16
Frequency	Occasional
Year	1985
Notes	
Annotation	Necessity of manures to the fields identifying the necessity of organic manures, quantity of organic manures to be applied to diferent soils were discussed.

1185

Title	Package of Practices - Kharif & Maize for increasing production - Vol.I Pub-88
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	This is in series of publication on crop improvement related to Kharif & Maize.
Annotation	Different aspects of R&D for increasing production of Kharif & Maize including high yielding varities. Plant protection and new cultivation methods discussed.

1186

Title	Papaya in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.50
Frequency	One Time
Year	1987
Notes	
Annotation	Planting papaya for profit, methods of selecting high yielding variety, cultivation methods, use of papaya fruit in medicines, marketing the fruit etc.

1187

Title	Pea Package of Practices
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1985
Notes	
Annotation	Production practices to be adopted by earners in peanut production, varities newly released and their morphological characteristics according to zone wise application of fertilizers etc.

1188

Title	Pearlmillet: Package of Practices for increasing Production
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Technology for better Crops - 15
Annotation	Gives technologies of Pearlmillet. Includes development of high-yielding varieties, agronomic practices, plant protection measures, etc. Salient features of hybrid and varieties of pearlemillet recommended for various states is given as Table.

1189

Title	Pests & Diseases of Coconut
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Irregular
Year	
Notes	
Annotation	Uniform research programmes and the common methods which should be adopted in control of pests & diseases of coconut, information on types of pests & diseases of coconut, ecological & biological facts of pests of coconut.

1190

Title	Phalsa
Author	Singh KK
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.1
Frequency	One Time
Year	1986
Notes	
Annotation	Cultivation of Phalsa, suitability of soils, application of fertilizers & micro nutrients, control of diseases & pests discussed.

1191

Title	Pid Publications Catalogue, 1987
Author	
Publisher	PID
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Annoatated list of S&T Publications of PID. Periodicals, Encylopaedia, Wealth of India, Books & Monographs, Indian Language Publications.

1192

Title	Pineapple in India
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.2
Frequency	One Time
Year	1987
Notes	
Annotation	Selection of soil required for Pineapple Culture, suitable High Yielding variety seed collection, water management, pest control are discussed.

1193

Title	Plant Diseases
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Common plant diseases, methods of controlling plant diseases. research on the control of plant diseases, application on Harmones. control of pests & insects and other plant protection methods are discussed.

1194

Title	Plant Parasitic Nematodes of India
Author	
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	This is a comprehensive book on Parasitic Nematodes in India.

1195

Title	Potato Cultivation
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	New improved high yielding varieties, control of diseases & pests including viral and fungal diseases and use of fertilizers & micro nutrients discussed.

1196

Title	Preservation of Fruits & Vegetables
Author	
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.47
Frequency	One Time
Year	1987
Notes	
Annotation	Information on preservation, canning of fruits & vegetables, recent technological developments made in techniques of preservation of fruits & vegetables.

1197

Title	Problems and Prospects of Agriculture in India
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	This book contains the speeches of sri Buta singh on problems and prospects of Agriculture.
Annotation	Presents problems faced by India in Agriculture and their solutions and thoughts of Sri Buta Singh on Agricutural Research Education, agrobased industry and its development.

1198

Title	Proceddings of the National Seminar on Plant Tissue Culture
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Rs.35
Frequency	One Time
Year	1988
Notes	Held on 2-4 March 1983 at CPCRI, Kasaragod.
Annotation	32 papers on Plantation & Horticultural crops divided into 4 sessions. Session I: Present status of tissue culture in India & Abroad; had 4 articles; II Horticulture: 5 articles on Papaya, Citrus, Banana, Apple, Pineapple etc.; III: Omamental, Vegetable & Medicinal crops. IV: Plantation crops

1199

Title	Proceedings of IInd world Buffaloes congress - Vol I to IV
Author	
Publisher	ICAR
lace	New Delhi
Type	Conference Proceedings
Class	Open
Price	Rs. 1000
Frequency	One Time
Year	1988
Notes	Vol I & II invited papers & special lectures Vol.III Buffalo production & health Vol.IV abstracts.
Annotation	64 Articles in Vol. I & II on Genetic resources, breeding, adaptation and management, milk and meat production technologies, major constraints in buffalo improvement. Nutrition, diseases etc. Vol.III has 21articles on economic traits, meat industry, Bi-products, milk R&D etc.Vol.IV Abst.of 376 papers

1200

Title	Produce Clean Milk
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.1
Frequency	One Time
Year	1987
Notes	
Annotation	Cost of milk production, estimisation of cost, producing milk without bactetrial flora discussed.

1201

Title	Production Practices-Cotton
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1987
Notes	
Annotation	Physiological studies on the Cotton crop and practical applications in farming. Techniques of controling pests in cotton cultivation discussed.

1202

Title	Psyllidae of the Indian Sub-continent
Author	Mathur RN
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.38.50
Frequency	One Time
Year	1975
Notes	Keys to Sub-family identification i.e given - a very significant aspect of the Book.
Annotation	Gives details of Psyllidae 101 sps in 27 genera along with descriptions & notes. Descriptions of 45 immature stages also given. All of the Holotype, Allotype, Paratype specimens of the new sps together with Nymphal Stages are also given. Extensive Bibliography given at the end.

1203

Title	Publications & Information Directorate New Delhi
Author	
Publisher	PID
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Narrates Activities, S&T Publications, training in Scholarly Communications of CSIR.

1204

Title	Rabi Maize - Package of Practices
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Choice of inputs, assesment of site, irrigation resources, improvements of rabi maize crop production method etc.

1205

Title	Races of Maize in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Rs.13
Frequency	One Time
Year	1987
Notes	
Annotation	Present maize varities in India. Maize Breeding in India, new production technologies developed in breeding maize etc, are the main items of this report.

1206

Title	Radioisotopes, Fertilisers and Cowdung Gas Plant
Author	
Publisher	ICAR
Place	New Delhi
Type	Symposium Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	This is a symposia held in May 1986, at ICAR , HQ DELHI.
Annotation	Role of Radioisotopes and fertilisers in farming, Utilisation of conducting in cooking gas plants etc discussed.

1207

Title	Rapseed & Mustard - Package of Practices
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Package of practices for increasing production in rapseed & mustard, nature of soil required, choice of inputs, assesment of site, irrigational resources, application of fertilizers, cultivation method etc.

1208

Title	Rapseed Mustard Taramira Package of Practices
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1986
Notes	
Annotation	Package of practices for increasing production, choice of inputs, assement of site, irrigation resources, application methods, culitvation methods etc.

1209

Title	Rapseed Mustard Production Technology
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Brought out under Technologies for Better Crops- 27.
Annotation	Talks about cultivation of rapeseed-mustard, cropping system, benefits of pure crop, conservation of moisture, fertilizer appreciation, applications of micro-nutrients, mehtods of cultivation, management of diseases, harvesting & threshing, major steps to be taken for getting increased yield.

1210

Title	Report of the Working Group on Agricultural Reserach Eduction for the Seventh Plan 85-90
Author	
Publisher	ALLIED PUBLISHERS MAYAPURI DELHI
Place	New Delhi
Type	Report
Class	Open
Price	Rs.38
Frequency	One Time
Year	1984
Notes	
Annotation	Improvements, agricultural research, education, productivity process, technology etc. for seventh plan.

1211

Title	Report of the working party on Sardine & Mackerel Resources
Author	
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.6.50
Frequency	One Time
Year	1971
Notes	
Annotation	Contains 6 chapters on Biology & Fishery of the Indian oil-sardine, Indian Mackerel, Hydrographic Factors related along with Biology & Fishery of the Lesser Sardines of India. At the end gives a list of active workers in the line & Extensive Biblography on the Subject.

1212

Title	Report on All India Coordinated Vegetable improvement Project 83-84
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1985
Notes	Project initilated in 1970-71 on vegetables.
Annotation	Multi displinary research on improvements of indigenous exoitc varieties of vegetables, pest control, disease resisitance of vegetables.

1213

Title	Report on Cotton Research
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Periodical
Year	1986
Notes	
Annotation	Information about the recent technological developments in the production of cotton fibre specifically progress as on 85-86.

1214

Title	Report on Economic Orinithology.
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	This is a progress report on bird pesticides. This activity was started in the year 1982.
Annotation	Survey on bird pests of crops, population dynamics, feeding habits, assesment of crop loss due to birds, management of bird pests.

1215

Title	Report on Fisheries Technology
Author	
Publisher	ICAR&CIFT
Place	Cochin
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	An update on Fisheries Technology in India and achievements during 86-87 discussed.

1216

Title	Research Highlights 1986
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1984
Notes	Research carried out in 1986
Annotation	Information on conservation of resources, major research findings crop improvement, crop protection, soil management and crop production, animal sciences, fisheries, Agriculture marketing and transfer of technology.

1217

Title	Research Highlights 1987
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Research carried out in 1987.
Annotation	Conservation of resources, major research findings, crop improvement, crop protection, soil management, crop production, research on animal sciences, fisheries, Agriculture marketing and transfer of technology etc, discussed.

1218

Title	Research Space Highlights
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Highlights of the research projects carried out by ICAR.

1219

Title	Research and Development Strategies for Oilseed Production in India.
Author	
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.16
Frequency	One Time
Year	1984
Notes	Proceedings of a National Symposium held on 7-9 November 1979 at IARI, New Delhi.
Annotation	Contains 26 articles in 6 parts & last part giving recommendations deals with Oilseed Production, Improvement, Research Priorities for developing high yielding varities of oil crops, Crop Management, Plant protection, Economic analysis of production & Productivity of oilseed crops etc.

1220

Title	Research and Development strategies for Oilseeds Production in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Symposium Proceedings
Class	Open
Price	Rs.16
Frequency	One Time
Year	1988
Notes	
Annotation	A gist of the procedings of a national symposium held at Indian Agricultural Research Institute, New Delhi on Aug 1987.

1221

Title	Research in Animal Production
Author	
Publisher	Indian Council of Agricultural Research
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 47
Frequency	One Time
Year	1982
Notes	
Annotation	Has 26 chapters: Improvement of cattle & Buffaloes through breeding, Feeding & Management, Artificial Insemination & Fertility Problems, Control of Diseases in Milch animals, Sheep, Goat, Pig & Poultry Production; Dairy Technology, Marine & Inland Fishery resources etc.

1222

Title	Research on Dwarf Wheats
Author	Gill RS
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.9.30
Frequency	One Time
Year	1979
Notes	
Annotation	In 12 chapters discusses Production & Yield, Improvement of Wheat, Drum-wheats, Dicoccum Wheat, Genetics of Dwarf Wheats, Diseases & Disease Resistance, New Agronomy, Physiology of Dwarf Wheat, Quality Improvement, New Strategies for varietal improvement in Wheat etc.

1223

Title	Research on Potato
Author	
Publisher	ICAR & CPRG
Place	Simla
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	Report of a project started in the year 1949.
Annotation	Research in breeding of high-yielding and disease resitant varieties of Potato seeds suited to diffrent agroclimatic conditions of the country as also developments of varieties discussed. The achievements made in the year of 85-86, in potato research highlighted.

1224

Title	Reserch on Jute and alloted Fibre
Author	
Publisher	ICAR
Place	New Delhi
Type	Progress Report
Class	Open
Price	Not Priced
Frequency	Periodical
Year	1986
Notes	This is progress report on all fibres.
Annotation	Information on progress made in the area of jute and all other allied fibre crops, breeding and farming, quality of the fibre technology developed in 1985-86.

1225

Title	Review of Agriculture Operaton in India 1919-1985
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Research projects taken up from 1919-1985, achievements made, results of the projects, conservation of resources, crop improvements, crop production, agriculture marketing and transfer of technology

1226

Title	Review of Soil Research in India.
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Seminar Proceedings on Soil Research held at IARI Delhi, in April 1987.
Annotation	Factors which influence the agricultural production, like chemical composition of soil, soil fertility, plant nutrition and Crop responses etc discussed.

1227

Title	Rice Cultivation in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1986
Notes	
Annotation	Present practices in Rice cultivation. Developed methods in cultivating the rice crop w.r.t . diffrent regions in India.

1228

Title	Rice Packages of Practices for increasing Production
Author	
Publisher	ICAR
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Quarterlty
Year	1987
Notes	This is the 22nd bulletin on Rice Technology.
Annotation	Production practices to be adopted by farmers, vairieties newly released and their morphological characters zonewise, discussed.

1229

Title	Rice Research in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Guide
Class	Open
Price	Rs.60
Frequency	One Time
Year	1985
Notes	This issue has been brought out with articles contributed by leading scientitsts.
Annotation	Rice research, improved rice production technologies, synoptic account of recent progress in rice research, information on cytogenetics breeding, physiological studies, agroclimatology and water management practices.

1230

Title	Rinder Pest
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.7
Frequency	Occasional
Year	1985
Notes	
Annotation	Identification of rinder pest, physiology & anatomy of the pest, the crops which will be attacked by pest, methods of using the pesticides to control the pest discussed.

1231

Title	Rose in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.36
Frequency	One Time
Year	1988
Notes	
Annotation	History of Rose Flourie culture in India, varities of Roses in India, control of insects & pests, application of micro nutrients, preparation of suitable soil for Rose Cultivation etc. discussed.

1232

Title	Safe use of Pesticides
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	This was prepared by Dr Kalra & Darmpal Singh from Punjab Agriculture University.
Annotation	Information on commonly used pesticide formulations, modes of exposure of farm workers to pesticides, hazards involved in the handling of pesticides. Prevention and useful directions in administering First Aid and subsequent treatment for the inadvertantly exposed.

1233

Title	Safflower Production Technology
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Brought out under Technologies for Better Crops-29.
Annotation	Discusses Safflower, climate & soils required for its cultivation, cropping systems, recommended varieties & various Agronomic practices being followed.

1234

Title	Saline and Alkali Soils of India
Author	Agarwal RR, Yadav JSP and Gupta RN
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.20.50
Frequency	One Time
Year	1982
Notes	
Annotation	Contains 10 chapters dealing with historical outline, Genetic factors in the formation of soil, Pedology, Diagnostic techeniques & their practical daptations, Nature & Properties of Alkaline & Saline soils in different tracts of India, Reclaimation & Management, Plant Growth etc.

1235

Title	An Era of Self Sufficiency in Food Production - A Tribute to Indira Gandhi
Author	
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Reviews the progress made by the country in Agricultural production, Research, Education and extension ever since Mrs. Indira Gandhi became Prime Minister in 1966 till October, 1984. Contains 34 chapters written by various eminent scientists on various topics.

1236

Title	Second International Conference on Apiculture in Tropical Climates
Author	
Publisher	IARI
Place	New Delhi
Type	Book
Class	Open
Price	Rs.58
Frequency	One Time
Year	1983
Notes	Held on February 29-March 4, 1980 at New Delhi.
Annotation	Contains 82 papers on Apiculture like Bee-keeping in Tropical Climates, Bee morphology, Biometrics & Utilisation of Exotic Bees, Bee physiology & Biochemistry, Bee pathology & Toxicology, Bee Botany & Bee Products presented by experts from 21 different countries at the conference.

1237

Title	ICAR Publications Price List
Author	
Publisher	ICRI
Place	New Delhi
Type	Listing
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1989
Notes	ICAR Publications check list 1989
Annotation	Contains lists of available publications which includes Books, Technical Bulletins, Journals in Hindi and English. Also lists Hindi publications. Names of Authors and price of publication in Indian and Foreign values are also given.

1238

Title	Seed borne diseases of field Crops and their Control
Author	Agarwal VK and Nene YC
Publisher	ICAR
Place	New Delhi
Type	Bulletin
Class	Open
Price	Rs.13
Frequency	One Time
Year	1987
Notes	This bulletin may be useful to those involved in the National seeds programme.
Annotation	Important seed borne diseases of major field crops and their control, discussed.

1239

Title	Seminar on Primary Communications in Science & Technology in India
Author	Sharma RN and Seetharama S, Editors
Publisher	PID
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Rs.78
Frequency	Occasional
Year	1981
Notes	
Annotation	36 papers on Publication Channels, status of Indian Scientific Periodicals, Indian Research Contributions in world's major Scientific Periodicals, , Role of Scientific & Professional Societies Quality and Standards, in-house Assistance to Authors etc; Also includes 3 keynote Addresses, Recommendations.

1240

Title	Sesamum Production Technology for Rabisummer Cultivation
Author	Dr. Sharma SM
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	2nd in the Series of Technologies for Better Crops-25.
Annotation	Talks about Sesamum Crops, soil required for its cultivation, varities, crop management, crop production & its harvesting and threshing. Tables give details of improved variety of Sesamum, its pests & control measures.

1241

Title	Silage and Hay Making
Author	Chatterji BN and Mittal S
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 6.25
Frequency	One Time
Year	1981
Notes	
Annotation	Reviews the research on Silage & Hay making under 5 chapters. Silage, Hay making, Drying, Efficient utilisation of Conserved Grass are discussed in detail. Describes addition of Preservatives to restore nutritive values of Fodder etc. Biblography is given at the end.

1242

Title	Soil Conservation (Abstracts)
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	This is the abstracts of seminar on Soil Conservation held in May 1985 at IARI Delhi.
Annotation	Abstracts of the papers of the Seminar held on Soil Conservation, Watershed management, Soil and Water Management problems pertaining to diffrent rain zones for diffrent crops discussed as also Soil Erosion etc.

1243

Title	Soil Conservation (Proceedings)
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	This is Seminar Proceedings held at Indian Agriculture Research Institute, Delhi in May 1985.
Annotation	The recommendations of the National Seminar on Soil Conservation and water Resources discussed.

1244

Title	Soil Conservation (Souvenir)
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	This is a Seminar held at IARI DELHI, in May 1985.
Annotation	Recommendations of the National Seminar on Soil Conservation and watershed management.

1245

Title	Soil Fertility
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.2
Frequency	One Time
Year	1985
Notes	
Annotation	Diffrent kind of soils, suitablity of crops in relation to soils, maintenance of Soil fertility, Application of fertilizers & micro nutrients, to improve fertility etc discussed.

1246

Title	Soil Fertility - Theory and Practice
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.30
Frequency	One Time
Year	1986
Notes	
Annotation	Preservation of soil fertility & control of soil erosion, application of micro nutrients. Techniques of estimation of Nitrogen & Phosphorus in soils are discussed.

1247

Title	Soils in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Nature of soils in India in diffrent regions and suitability to diffrent crops discussed.

1248

Title	Sport Fisheries of India
Author	Seghal KL
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.10
Frequency	One Time
Year	1985
Notes	
Annotation	Nature and life of sport fish. The main species of game fishes, fishing equipment & fishing methods required, the techniqes of catching sport fish, method of developing it as tourism attraction etc discussed.

1249

Title	Storage of Fruits & Vegetables
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.6
Frequency	One Time
Year	1987
Notes	
Annotation	Techniques on preservation of fruits & vegetables, Role of cold storage in preservation discussed.

1250

Title	Stratagies of Oil Seed Prouduction
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1985
Notes	
Annotation	Research & development strategies, present status of oil seeds production in international marketing, factors limiting oil seeds production, corporate system for advancing production etc.

1251

Title	Sugarcane
Author	Thuljaram Rao J, Natarajan BV and Bhagyalakshmi KV
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.13
Frequency	One Time
Year	1987
Notes	
Annotation	Cultivation of Sugarcane in India discussed with special emphasis on R&D carried out under ICAR sponsered projects. Results obtained else where also critically analysed for their relevance to conditions obtained in India.

1252

Title	Sugarcane Packages of Practices for increasing Production
Author	
Publisher	ICAR
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Periodical
Year	1987
Notes	This is the 12th in the series of publication intended for increasing sugarcane production.
Annotation	The technologies developed by the different research units in India for the production of sugar cane. Technologies include those of high yielding varities, agronomic practices and plant protection measures discussed.

1253

Title	Sugarcane Pests and their Control
Author	Kalra AN
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.7
Frequency	One Time
Year	1987
Notes	
Annotation	Salient results of the studies on sugarcane pests and their control conducted at different sugarcane research centres in the country.

1254

Title	Sugarcane varieties under Cultivation in India
Author	Sankaranarayanan V, Natarajan BCV and Marmuthammal S
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.43
Frequency	One Time
Year	1986
Notes	
Annotation	Methods adopted in farming sugarcane and description of different varities.

1255

Title	Sunflower
Author	Sindagi SS
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.11
Frequency	One Time
Year	1986
Notes	
Annotation	Origin, botany and breeding of sunflower crop production, diseases, pests, seed dormancy and viability, harvesting and utilization of sunflower crop.

1256

Title	Sunflower
Author	Virupakshappa K
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Rs.11
Frequency	Occasional
Year	1987
Notes	
Annotation	Harvesting, utilisation technique, oil seeds, control of diseases & pests of sunflower crop discussed.

1257

Title	Survey on Fruits in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Rs.2
Frequency	One Time
Year	1987
Notes	
Annotation	A sample survey on Agriculture marketing of fruits, prospects of Mango & Guava in intrenational market. Modern techniques in juice extraction & juice preservation.

1258

Title	Tips on better Farming
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Informative on selection of seeds, application of fertilizers & micronutrients, using of pestcides, water management to different crops.

1259

Title	Teaching Methods in Agriculture
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Teaching methods in Agriculture & Veternary colleges. Demonstration centres, recent developments in Agriculture education discussed. List of Agriculture Educational Instituions also included.

1260

Title	Technologies (Mitigating effects of Khariff Drought during Rabi 87-88)
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	This information is useful to Agriculture extension workers.
Annotation	Compilation of information from all over R&D units on different drought resistant varities of crops.

1261

Title	Technology Mission Oil Seed Production.
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	This is a review on recent technological achievements made in the field of oil seeds.
Annotation	Information about mission objectives, achievements, expenditure made, financial grants, aids, implementation of results, R&D in meeting the mission targets reviewed.

1262

Title	Technology for better Crops in Western India
Author	
Publisher	ICAR
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Increasing productivity of dry farming in western india is discussed.

1263

Title	The African Horse Sickness
Author	
Publisher	ICAR
Place	New Delhi
Type	Report
Class	Open
Price	Rs.5
Frequency	One Time
Year	1987
Notes	
Annotation	Controling methods of the disease which attacks animals. Methods of Diagnosis and identification are provided.

1264

Title	The Bael
Author	
Publisher	ICAR
Place	New Delhi
Type	General Information
Class	Open
Price	Rs.5
Frequency	One Time
Year	1987
Notes	
Annotation	Information about aspects of Bael fruit, including methods of cultivation, storage, processing and future prospects given.

1265

Title	The Ber
Author	Pareek OP
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.10
Frequency	One Time
Year	1987
Notes	
Annotation	The origin of Ber fruit, the soil & cultivation required. The orchard management, the marketing of Ber fruit etc discussed.

1266

Title	The Indian Hylomma-TICKS (ixodoidea: ixodidae)
Author	Verges G and Dhanda
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.22
Frequency	Occasional
Year	
Notes	
Annotation	Taxomical status phologeny of genushylomma , distribution pattern in India, list of world's Hylomma species, key for the identification of Indian hylomma, ticks, tick collection, method of rearing ticks, morphology, ecology etc discussed.

1267

Title	The Indian Journal of Agricultural Sciences
Author	
Publisher	ICAR
Place	New Delhi
Type	Scientific Journal
Class	Open
Price	Rs.12
Frequency	Monthly
Year	1986
Notes	This is the July 86 issue of the Indian Journal Of Agricluture Sciences.
Annotation	Evaluation of rice varieties for resistance to bacterial bite in North west India, Influence of sowing dates on pre-anthesis phenology in wheat, Pests of fruit trees and their natural enemies in Kashmir valley etc are discussed in this issue.

1268

Title	Linseed: Production Technology
Author	
Publisher	ICAR
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Useful for developmental efforts for increasing Linseed Production.
Annotation	Contains Linseed cropping systems like Pure & Intercropping etc. In cultivation chapter gives Land preparation, Fertilizer application, Sowing time, Seed rate, Seeding depth & treatment, Weed control and in Plant Protection, control of diseases and control of pests are given.

1269

Title	The Loquat in India
Author	
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.3
Frequency	One Time
Year	1987
Notes	
Annotation	Loquat cultivation, including picking and marketing of the fruit discussed.

1270

Title	The Myxomycetes of India
Author	
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.41
Frequency	One Time
Year	1987
Notes	
Annotation	Myxomycetes belongs to Fungai family. Occurence of Myxomycetes in different parts of India and the particulars of the research carried out on myxomycetes are discussed.

1271

Title	The Rabbitry
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Introducing Rabbitry, Types of Rabbitry to be produced, management, nutrition, control of diseases etc.

1272

Title	The Useful Plants of India
Author	
Publisher	PID
Place	New Delhi
Type	Reference Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	A bird's eye view of Wealth of India; Includes information on 5000 Plant Species arranged in A-Z sequence of Botanical names with common English, Regional & Trade names and Important Uses; Index to names in English, Regional Languages & trade names.

1273

Title	The Wealth of India: A Dictionary of Indian Raw Material & Industrial Products, Raw Materials Vol.1A Revised Edition
Author	
Publisher	PID
Place	New Delhi
Type	Reference Book
Class	Open
Price	Not Priced
Frequency	Regular
Year	1985
Notes	Updates Information with 35% increase of articles over the Ist edition.
Annotation	Includes 198 general type of Plants & 6 Minerals, Plants arranged A-Z by generic & specific names; Minerals by common English names index includes:Botanical, Zoological names, active principle & other important Chemical Compounds.

1274

Title	The Wealth of India: A Dictionary to Indian Raw Materials & Industrial Products, 11, VoL.+9 Parts.
Author	
Publisher	PID
Place	New Delhi
Type	Encyclopaedia
Class	Open
Price	Not Priced
Frequency	Serial
Year	1984
Notes	Each Vol priced separately;Suppls.to vol4&6;Cumulative Index in vol XI parts 3&9-Index to Ind.Pro.
Annotation	An Encylopaedic Dictionary, comprising 4000 entries on Economic Products & Industrial Resources of India. Continuously updated.

1275

Title	Tobacco
Author	Gopalachari NC
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Cultivation of tobacco, selection of quality leaf varities, application of fertilizers & micronutrints, usage of pesticides were discussed

1276

Title	Tobacco
Author	Gopalachari NC
Publisher	ICAR
Place	New Delhi
Type	Guide
Class	Open
Price	Rs.33
Frequency	One Time
Year	1987
Notes	
Annotation	Recent advances in research in Tobacco cultivation, changing needs of customers, domestic and international market, quality requirements discussed.

1277

Title	Tribal Area Agricultural Reserch
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Review on the research projects engaged in, develoment of farming techniques for tribal agriculture areas, problems of salinity control, water management, educating the tribals etc.

1278

Title	Ulotrichales
Author	Ramanathan KR
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 21.50
Frequency	One Time
Year	1964
Notes	6th in the series of Monographs on Algae published by ICAR.
Annotation	Gives the Taxonomy, Nomenclature, Geographical distribution & Life history of the Members of Ulotrichales. Describes 20 genera comprising nearly 110 species belonging to seven families. Includes wide Bibliography & Author & Subject Indexes at the end.

1279

Title	Non Conventional Feed Resources and Fibrous Agricultural Residues Strategies for External Utilization
Author	
Publisher	ICAR
Place	New Delhi
Type	Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Edited by C. Devendra, contains proceedings of a consultation held in Hissar, 21-29 March, 1988.
Annotation	Focuses on expanding the utilization of non-conventional feeds & fibrous agricultural residues in South Asia. Highlights problems of Chronic feed deficits. Also takes current status & need for extending the available information in the context.

1280

Title	Use of Micronutrients in Groundnut
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Technologies for better Crops - 31.
Annotation	Many of the Soils are deficient in micronutrients like Calcium, Magnesium, Sulphur, Iron, Zinc, Boron, Copper, Molybdenum & Mangenese. The Symtoms of each nutrient deficiency and correction are discussed with the view to increase the yield of high quality Groundnut.

1281

Title	Vaucheriaceae
Author	Venkataraman G
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.17
Frequency	One Time
Year	1961
Notes	Covers work done on this family in USA, India, Europe and China.
Annotation	Gives an account of habitat, distribution, morphology, cytology and reproduction of the members of this family, followed by description of 54 species of Vaucheia, 2 of vaucheriopsis and one each of dichotomosiphon and pseudo dichotomosiphon comprehensive bibliography given

1282

Title	Vegetables for the Tropical Region.
Author	Velayudhan Sundari, Singh DP, Prem Nath
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.12
Frequency	One Time
Year	1987
Notes	
Annotation	The types of vegetables in tropical countries.the nursery management useful to the tropical vegetables discussed.

1283

Title	Vertisols and Rice Soils of the Tropics.
Author	
Publisher	ICAR
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	This is a seminar on Rice Research and other related topics held at ICAR on Feb 1985.
Annotation	Vertisols, soil management for rice production in the tropics, micronutrients etc discussed.

1284

Title	Veterinary Record
Author	Jumar GN
Publisher	ICAR
Place	Jabalpur
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Intestinal perforation and pleuroperitonitsis in a white leghorn cockerel discussed.

1285

Title	Virus - Potato (Plant Diseases)
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	
Annotation	Present varities in Potato cultivation. Different virus diseases. Controlling methods of virus diseases. Application of Different pesticides.

1286

Title	Volvocales
Author	Iyengar MOP and Desikachary TV
Publisher	ICAR
Place	New Delhi
Type	Book
Class	Open
Price	Rs.90
Frequency	One Time
Year	1981
Notes	10th of the Monographs on Algae.
Annotation	Gives details of the structure, reproduction, life-history and ecology of the volvocales divided into two parts. Part I gives general account. Part II includes systematic details of individual members. Covers 116 genera Bibliography and 44 picture plates are given at the end alongwith latin diagnosis.

1287

Title	Wasteland - Meeting Challenge.
Author	
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Methods for utilisation of the waste land resources, Preservation of salinity, new technologies in Farming waste lands etc.

1288

Title	Water Management
Author	
Publisher	ICAR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Rs.28
Frequency	One Time
Year	1986
Notes	
Annotation	Research on water management. Water management to different crops, proceedings of the recent workshop. Review of the coordinated products on water management.

1289

Title	Wheat
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Package of practices to be adopted for improved wheat cultivation, physiological studies, PUSA method, new rust resistant varieties in wheat etc discussed.

1290

Title	Wheat
Author	
Publisher	ICAR
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Breeding wheat crop, cutting methods, cultivation methods, improved varieties of wheat etc discussed.

1291

Title	Wheat - Research
Author	
Publisher	ICAR
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	This conference was held in IARI HQ, Delhi in the month of Feb 1988.
Annotation	Proceedings of the conference on Wheat, includes review of progress made under various on going projects in this area, their objectives and related topics.

1292

Title	White Grubs and their Control
Author	
Publisher	ICAR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Brought out under Technologies for Better Crops-16.
Annotation	Discusses White Grubs, their occurrence in India, distribution, Biology, behavior & Package, Management practices by various methods etc.

1293

Title	Zygnemaceae
Author	Randhawa MS
Publisher	ICAR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.26
Frequency	One Time
Year	1986
Notes	
Annotation	Critical review on Zygnemaceae which belongs to Algae family, role of Zygnemaceae in Indian Agriculture, present research activities in this field included.

ICMR

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V. 15

Records: 1294 — 1360

1294

Title	100 Years of Malaria Research
Author	
Publisher	ICMR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 20.00
Frequency	One Time
Year	1979
Notes	IJMR Supplement vol.70, December, 1979.
Annotation	Contains 22 articles on various aspects of treatment of malaria caused by Plasmodium falsiparum, P. vivax, P. berghei including resistance to different drugs; serological studies; studies on transmission as well as studies on malaria vector, their breeding & seasonal changes.

1295

Title	A Handbook of Radioimmunoassay
Author	
Publisher	ICMR
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Provides basic operational procedures of widely used radioimmunoassay techniques for reproductive hormones. Discusses errors & trouble shooting in radioimmunoassay, deals with organisation of radioimmunoassay laboratory. Discusses newer methods & future developments in this field.

1296

Title	A Manual for Nutrition
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Manual
Class	Open
Price	Rs. 2.50
Frequency	One Time
Year	1974
Notes	Reprinted in 1984
Annotation	Contains 9 chapters about foods, their nutritive values, food & health, cooking, care of pregnant woman, nursing mother, infants and pre-school child. Effect of multinutrition as well as nutritional disorders are also given. It enlists5 appendices on preparation of groundnut milk, balanced diets, weaning foods, meal plans for children and some common home measures in use.

1297

Title	A Manual of Laboratory Techniques
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Manual
Class	Open
Price	Rs. 30.00
Frequency	One Time
Year	1983
Notes	
Annotation	Describes wide range of analytical and biochemical techniques for biomedical research workers. Section A gives basic principles of laboratory methods and instruments, while section B gives details of methods for analysis of proteins, amino-acids, carbohydrates, lipids, nucleic acids etc.

1298

Title	Annual Report of Central Jalma Institute of Leprosy
Author	
Publisher	Central Jalma Institute for Leprosy (ICMR)
Place	Agra
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	
Notes	
Annotation	Gives detailed account of scientific work carried out in the institute during the year

1299

Title	Collaborative Study on the Phenomenology and Natural History of Acute Psychosis
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Final report of a collaborative study taken up at four centres from April 1981 to March 1984.
Annotation	Study includes 323 cases of sudden onset of psychotic sysmptoms. The cases were followed up for a minimum of one year. 161 cases could not be classified as schizophrenia or MDP. Book includes study design, analysis, conclusions, 46 tables, 26 references & 10 appendices.

1300

Title	Annual Report of the Director General
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	
Notes	
Annotation	Describes research activities carried out in major thrust areas under 10 different heads according to the area of speciality like communicable/non-communicable diseases, reporoductive biology & fertility control, maternal & child health, nutrition, environmental & occupational health, traditional medicine etc.

1301

Title	Blindness in Children & Vitamin A Deficiency
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	For free distribution
Annotation	Describes vitamin A deficiency effects leading to blindness. Enlists its symptoms like night blindness, betot spots, etc.; treatment with balanced diets like milk, eggs, ghee, fishliver oils, palak, amaranth, methi, etc.; oral treatment by vitamin A liquid, care to be taken by pregnant mother to protect her unborn child.

1302

Title	Breast Feeding - What Mothers Should Know
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	For free distribution
Annotation	Gives quantities of milk produced by mothers depending upon the age of the child, advantages of colostrum feeding and wrong beliefs associated with it, care to be taken, additional food needed by mother & child.

1303

Title	Cancer Research
Author	
Publisher	ICMR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 20.00
Frequency	One Time
Year	1983
Notes	IJMR Supplement, vol.78, July, 1983.
Annotation	Contains 22 articles on hepatocellular carcinoma vaccine, clinical cancer research, primary breast cancer, radio therapy effects, uterine cervical dyspalsia, endometrial cytology associated with intra uterine copper contraception, head & neck cancer, immune responses by sera of Hodgkins disease patients, extra nodal lymphomas etc.

1304

Title	Epilepsy in India
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Based on multicentric study on epidemiology of epilepsy carried out as a PL480 funded project.
Annotation	Discusses objectives & the methods adopted for the study, clinical diagnosis & demographic conditions, treatment & 4th year follow-up status, electroencephalography, 3439 patients studied. Two appendices on background information & ayurveda and an index at the end have been provided.

1305

Title	Collaborative Study on Blindness - A Report.
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Final report of a collaborative multicentric study carried out at 7 centres between 1971 to 73.
Annotation	Describes prevalence of blindness in the country and etiological factors associated with blindness. Discusses distribution of some factors like demography, environment, nutrition, personal habits vis-a-vis various causes of blindness.

1306

Title	Collaborative Study on Severe Mental Morbidity
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Final report of a collaborative project of ICMR & DST on severe mental morbidity.
Annotation	Evaluation of an intervention strategy through primary health centre personnel, appropriate to the realities of health situation in the country. Discusses training of PHC. personnel & possibilities of delivering mental health care at community level. Lists important issues for future research.

1307

Title	Collaborative study on Short Term Sequelae of Induced Abortion
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1981
Notes	Results of a multicentric study carried out at 13 PG hospitals involving 17628 women cases.
Annotation	Defines MTP & its complications, demographic & obstetric profile of women seeking MTP, sequeler of induced abortions and different methods used. It also gives data on prophylactic antibiotic therapy and contraceptive acceptance after MTP.

1308

Title	Count What you Eat
Author	Pasricha S.
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Book
Class	Open
Price	Rs. 4.50
Frequency	One Time
Year	1989
Notes	
Annotation	Lists recipes suitable for different tastes and incomes, gives the nutritional value like calorie, protein, carbohydrate, fat and mineral contents of these food preparations. Discussion on different methods of cooking with dos and don'ts.

1309

Title	Lathyrism A preventable Paralysis
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Brochure
Class	Open
Price	Rs. 1.50
Frequency	One Time
Year	1964
Notes	Revised in 1983.
Annotation	The brochure gives the definition and history of lathyrism in India as well as in the world. It deals with the course, stages, and basic facts regarding the disease. It also provides information on association of diet and disease and simple preventive & control measures.

1310

Title	Depressvive Disease
Author	Venkoba Rao A
Publisher	ICMR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.58
Frequency	One Time
Year	1986
Notes	
Annotation	Describes Indian literature on depressive diseases;characteristics of suicide behaviour in Indian context; prevalence and incidence of depression in Indian subcontinent;cultural explanation of certain clinical features, types of antidepressants used in treatment as well as electroconvulsive therapy & psychotherapy.

1311

Title	Domiciliary Tuberculosis Chemotherapy
Author	
Publisher	ICMR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 20.00
Frequency	One Time
Year	1981
Notes	IJMR Supplement, vol.73, April, 1981.
Annotation	A controll study of the affect of domiciliary tuberculosis chemo therapy programme in rural community in South India, it gives bacteriological methods, base line sample survey method, domiciliary drug therapy, cooperation of patients, treatment, results 57 years follow up, mortality pool of infectious cases, 3 prevalence tuberculin sample surveys etc.

1312

Title	Epidemiological Study on Subarachnoid Haemorrhage in India (1972-75)
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	A report based on a multicentric hospital based study carried out between 1972-75.
Annotation	Study was carried out in two parts. First part relates with clinical study & discusses incidences of spontaneous subarachnoid haemorrhage in patients & etiology of this. Second part deals with the pathological findings of the patients brain after autopsy, mainly for circle of willis & microscopic examination.

1313

Title	Fruits
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Hand Book
Class	Open
Price	Rs.2.50
Frequency	One Time
Year	1983
Notes	Reprinted in 1987
Annotation	Provides useful information on 15 nutritious fruits of India. Nutritive value; historical background & cultural relationship of some fruits are also given. It also provides recipes for 15 delicious preparations of fruits.

1314

Title	Genetic Atlas of Indian Tribes
Author	
Publisher	Institute of Immunohaematology (ICMR)
Place	Bombay
Type	Atlas
Class	Open
Price	Rs. 125.00
Frequency	Occasional
Year	1986
Notes	ICMR study on tribes.
Annotation	Describes the ethnic history & geographical location of tribes with maps of regions where they inhabit. List of tribes is given. State maps & tables of 1) blood groups, PTC, colour blindness and ABH secretion 2) red cell enzymes and serum proteins 3) genetic disorders are given.

1315

Title	Growth and Physical Development of Indian Infants and Children
Author	
Publisher	ICMR
Place	New Delhi
Type	Technical Report
Class	Open
Price	Rs. 10.00
Frequency	One Time
Year	1972
Notes	Reprinted in 1984 and 1989.
Annotation	Contains data on standards of growth & physical development of Indian infant & children aged one through 21 years, for the country as a whole as well as for each state of India. In addition influence of income, socio-economic status, religion & residence (urban/rural) is also given.

1316

Title	Menus for Low Cost Balanced Diets and School Lunch Programmes Suitable for North India
Author	
Publisher	National Institute of Nutirtion (ICMR)
Place	Hyderabad
Type	Booklet
Class	Open
Price	Rs. 2.00
Frequency	One Time
Year	1977
Notes	Reprinted in 1984. First edition published in 1959.
Annotation	Provides examples of nutritious dishes which could be easily prepared by using cheap and locally available food stuff. It is a practical guide to house wives as well as school authorities to improve the nutritive quality of the diet of adults & school going children of North India.

1317

Title	Health Policy: Ethics & Human Values
Author	
Publisher	ICMR
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Rs. 50.00
Frequency	One Time
Year	1986
Notes	Selected presentations in the international conference on health policy; held at New Delhi, March1986
Annotation	Discusses influences of scientific development on social, ethical and moral systems of societies. Issues such as optimising social uses of medical knowledge, how human ethics serves as a bridge between policies and values, discussed.

1318

Title	How to Prepare Low Cost Nutritious Food Supplememnts
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	For free distribution
Annotation	Describes supplementry foods for childern below 5 years of age. Ready mixes like ragi & bajra infant foods, sajina, gehuna etc., porridges like wheat gram porridge, commercial products like ground nut biscuits etc. are discussed with ingredients & methods of preparation.

1319

Title	ICMR Bulletin
Author	
Publisher	ICMR
Place	New Delhi
Type	Information Bulletin
Class	Open
Price	Not Priced
Frequency	Monthly
Year	
Notes	Being published since 1971
Annotation	Features articles giving current/advanced information on various biomedical topics. Gives announcements of seminars/ symposia/conferences as well as training program and announcements relating to awards/prizes/fellowships etc. Publishes abstracts of completed research projects.

1320

Title	ICMR Today
Author	
Publisher	ICMR
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Highlights recent research contributions of ICMR & lists ICMR's institutes/centres. Gives information on ICMR awards & prizes & a glimpse of future plan of ICMR.

1321

Title	IJMR Supplement December 1978
Author	
Publisher	ICMR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 20.00
Frequency	One Time
Year	1978
Notes	IJMR Supplement vol 68.
Annotation	Describes Narangwal experiment on interactions of nutrition & infections. Includes 3 research articles on project design & effects upon growth, morbidity & mortality effects, measurement of service & costs & their relation to outcome.

1322

Title	Tuberculosis Prevention Trial, Madras
Author	
Publisher	ICMR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 20.00
Frequency	One Time
Year	1980
Notes	IJMR supplement, vol.72, July 1980
Annotation	Provides information on history of the BCG trial, study, design of the trail, various BCG strains used in the preparation of vaccines, vaccine dosages, preparation & testing, study area, tuberculin, the intake, the record linkage, crieteria for defining infection & disease etc.

1323

Title	Indian Journal of Medical Research
Author	
Publisher	ICMR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs.20
Frequency	Monthly
Year	1989
Notes	Costs Rs.100/sections, Rs. 200/year
Annotation	From 1989 the journal has been bifurcated into two sections which appear on alternate months. Section A publishes articles on infectious diseases, section B on biomedical sciences other than infectious diseases.

1324

Title	Indo-US Workshop on Pharmaceutical Technology and Bioavailability - Present and Future.
Author	
Publisher	ICMR
Place	New Delhi
Type	Proceeding
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Proceeding of a workshop jointly organised by ICMR, National Institute of Child Health & Development NIH Bethesda, on November 10-14, 1986.
Annotation	Topics discussed in the workshop include pharmacuetics of tablets, registration of new drugs and bioavailability of drugs in India, various factors affecting drug absorption, analytical techniques for quality control. Organised to review the state-of-the art & update pharmaceutical technology.

1325

Title	Japanese Encephalitis in India
Author	
Publisher	National Institute of Virology (ICMR)
Place	Pune
Type	Information Document
Class	Open
Price	Rs.5
Frequency	One Time
Year	1980
Notes	
Annotation	Gives information about incidences of Japanese encephalitis in India & other countries; clinical features, symptoms, diagnosis, treatment & mangement; control measures; epidemiological studies; mode of transmission of virus. Also includes suggestions for future research in this field.

1326

Title	National Institute of Nutrition, Diamond Jubilee Number
Author	
Publisher	ICMR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 20.00
Frequency	One Time
Year	1978
Notes	IJMR supplement vol.68, October, 1978
Annotation	Carries articles on different aspects of nutrition like nutritive value of Indian food, protein calorie malnutrition, vitamin A dificiency and blindness in Indian children, endemic pellagera among jowar eaters, interaction of nutrition & the immune response, food toxins etc.

1327

Title	Low Cost Nutritious Supplements
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Booklet
Class	Open
Price	Rs. 1.50
Frequency	One Time
Year	1972
Notes	Second addition 1975, reprinted in 1977
Annotation	Contains 4 chapters on food needs of infants & children; recipes & snacks suitable for infants, pre-school children. Total 22 recipes are described eg. rice kitcheri, barfi, wheat-gram ladoo, wheat payasam, groundnut biscuits etc. Appendix gives quantities & costs of recipes for feading 100 children

1328

Title	Management of Acute Diarrhoea
Author	
Publisher	National Institute of Cholera & Enteric Diseases (ICMR)
Place	Calcutta
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Describes diarrhoea sysmptoms & treatment in detail. Emphasis has been given on home treatment with the help of oral rehydration solution & home available fluids. When to refer the patients to health centre or hospitals is also described.

1329

Title	Manual of Mental Health for Multipurpose Workers, 1987
Author	
Publisher	Centre for Advanced Research on Community Mental Health (ICMR)
Place	Bangalore
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	For multipurpose health workers who can educate people to increase awareness about mental health. Describes about brain and behavior, discusses causes, symptoms & types of mental illness including epilepsy, psycoses, neuroses & mental retardation, their treatment as well as management of mentally ill people.

1330

Title	Nutrition for Mother and Child
Author	Venkatachalam PS and Rebello LM
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Booklet
Class	Open
Price	Rs. 5
Frequency	One Time
Year	1962
Notes	Third revised edition 1978, revised 1983
Annotation	Booklet deals with various aspects of nutritious like functions of food, nutrition for pregnant mother and diet during pregnancy, guidlines for nutrition for nursing mother, infant, child & cheap nutritious diets. Appendices provide method of vegetable preparation & common home measures in India.

1331

Title	Medicinal Plants
Author	
Publisher	ICMR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 20.00
Frequency	One Time
Year	1988
Notes	IJMR special number vol 87, April 88
Annotation	Contains 2 review articles, one on Gum guggul (Commiphora mukul) & another on Indian medicinal plants with interceptive activity & 11 original articles on Faenocon vulgare, gossypol, Caesalpinia decapetala, Oscimum sanctum, Euphorbia thymipholia, Trichosanthes dioica, Picrorhiza kurrooa etc. & also on volatile oils.

1332

Title	Medicinal Plants of India Vol.1
Author	
Publisher	ICMR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.30
Frequency	One Time
Year	1976
Notes	
Annotation	Describes 350 plants in alphabetical order from A-G. Each entry is supported by pharmacognostic, phytochemical, pharmacological & clinical data with ayurvedic descriptions. Elaborate references for each entry are given. A glossary of technical terms is given especially for Sanskrit terms at the end.

1333

Title	Medicinal Plants of India, Vol.2
Author	
Publisher	ICMR
Place	New Delhi
Type	Monograph
Class	Open
Price	Rs.136
Frequency	One Time
Year	1987
Notes	Running into 600 pages & covering 550 plant species (from alphabet H to P).
Annotation	Gives under the same umbrella, the various regional names of each medicinal plant, its Sanskrit synonyms & ayurvedic discription apart from the habitat & the parts used & the details of pharmacognostical, chemical pharmacological & chemical data supported by references & bibliography.

1334

Title	Menus for Low Cost Balanced Diets and School Lunch Programmes Suitable for South India
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Booklet
Class	Open
Price	Rs. 2.00
Frequency	One Time
Year	1977
Notes	Reprinted in 1984. First edition was published in 1959
Annotation	Gives outlines of planning satisfactory balanced diets, menus & actual recipes meant for low income group. Practical ways of divising cheap balanced diets. Part I: Menus and recipes suitable to home.Part II: Menus for mid day meal programme for children to provide daily calorie & protein requirement.

1335

Title	Methods for the Regulation of Male Fertility
Author	
Publisher	ICMR
Place	New Delhi
Type	Proceeding
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Proceeding of a symposium organised jointly by ICMR and World Health Organisation, held at Bombay during February (17-18, 1984)
Annotation	Covers research papers on the regulation of male reproduction and primate models for evaluation of antifertility drugs, discovery of gossypol & its potentiality as a new male antifertility agent. Deals with choice of contraceptive methods for the human male.

1336

Title	Recommended Dietary Intakes for Indians
Author	
Publisher	ICMR
Place	New Delhi
Type	Booklet
Class	Open
Price	Rs. 4.60
Frequency	One Time
Year	1980
Notes	Reprinted 1987
Annotation	Provides dietary allowances for energy, protein, iron, fats, calcium and various vitamins such as vitamin A, D, C, B complex. It also gives recommendations for balanced diets for different group of people.

1337

Title	Nutrition
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Periodical
Class	Open
Price	Rs. 0.50
Frequency	Qarterly
Year	
Notes	Published in three languages - English, Hindi (poshana), Telugu (poshana)
Annotation	Features articles related to various aspects of nutrition, including nutrition education & dietary counselling.

1338

Title	Nutritive Value of Indian Foods
Author	Gopalan C, Ramasastri BV, Balasubramanian SC
Publisher	Natioanal Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Book
Class	Open
Price	Rs. 18.00
Frequency	One Time
Year	1985
Notes	Revised & updated by Narasingarao BS, Deosthale YG & Pant KC in 1989.
Annotation	Describes basic aspects of human nutrition, composition of 600 foods, names of food in indian languages, nutritional principles & chemistry, deficiency diseases, dietary allowances & guidlines for formulation of nutritionally adequate diets.

1339

Title	Parasitic Diseases
Author	
Publisher	ICMR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 20
Frequency	One Time
Year	1981
Notes	IJMR Supplement, vol.73, January, 1981.
Annotation	Includes 31 articles on treatment of kala-azar, invitro cultivation of Plasmodium falciparum, antimalarial activity of mefloquine & chloroquine, schizonticidal activity of antibiotics against P. berghei, prophylactic activity of antibiotics etc.

1340

Title	Peoples of India—Some Genetical aspects
Author	
Publisher	ICMR
Place	New Delhi
Type	Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	Produced on the occasion of XV International Congress of Genetics held in New Delhi (December 1983).
Annotation	Presents 5 articles — genetic polymorphisms in human population of India, haemoglobinopathies in India, genetical diseases other than haemoglobinopathies in India, congenetal malformations, and tribes of India, as also an over view of all aspects by Archana Sarma.

1341

Title	Plague: Conquest and Eradication in India
Author	Seal SC
Publisher	ICMR
Place	New Delhi
Type	Monograph
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Contains 14 chapters dealing with epidemiology, evolution of knowledge from primitive and mediaeval periods to modern research, causative organism, mode of transmission, experimental studies, microbiology of plague bacillus, immunological and serological studies, differenciation of Yersinia, control, prevention, surveillance & current position in world.

1342

Title	Scientific Studies on Bhopal Gas Victims (Part-A)
Author	
Publisher	ICMR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 20.00
Frequency	One Time
Year	1987
Notes	IJMR Supplement vol. 87, 1987
Annotation	Caries articles based on scientific studies carried out on Bhopal gas victims. Deals with clinical profile of victims in active phase, sequential respiratory changes, radiological spectrum of lung changes, psychiatric morbidity, neurological manifestation & immunological investigations etc.

1343

Title	Post Coital,Once-a-Month and Menses Inducing Agents in the Control of Female Fertility
Author	
Publisher	ICMR
Place	New Delhi
Type	Conference Proceeding
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Proceeding of the Joint ICMR/WHO symposium held at Bangalore, (January 14-15, 1985.)
Annotation	Contains 14 papers on post ovulatory events, contraceptive development, luteal function physiology, estrogens in early pregnancy, LH-RH & analogues, effects on corpus luteum , clinical approaches for prevention of implantation, role of prostaglandins, menstrual induction post coital contraception.

1344

Title	Proceedings of the Indo-UK Workshop on Leishmaniasis.
Author	
Publisher	ICMR
Place	New Delhi
Type	Proceeding
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	Proceeding of Indo-UK workshop held at Rajendra Memorial Research Institute for Medical Sciences, Patna (December 6-10, 1982.)
Annotation	Contains 22 articles on kala-azar in India, clinical and laboratory diagnosis, vectors of the disease, its epidemiology, management, recent advances in chemotherapy, immunological aspects, post kala-azar dermal leishmaniasis, serological studies, immunoprophylaxis, immune-response and drug response.

1345

Title	Some Therapeutic Diets
Author	Pasricha S.
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Booklet
Class	Open
Price	Rs. 2.00
Frequency	One Time
Year	1969
Notes	Forth edition 1988
Annotation	Booklet provides information on various aspects of diets, as recommended dietary allowances for a male sedentary worker, full diet, half diet, khicheri diet, diet for pregnant women & nursing mothers, bland diet, diabetic diet, low & high calorie diet etc. Appendix provides exchange lists.

1346

Title	Psycho-social Factors Affecting Continuation and Discontinuation of Intra-Uterine Device and Oral Pill in Urban India.
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Report of a multicentric task force study carried out at 5 centres between 1982-84
Annotation	Provides information on the IUD/Pill acceptors background, socio-economic profile, working & educational status of husband & wife, purpose of adopting IUD devices, rates & reasons for discontinuation or continuation, psycho-social factors affecting these, suggestions for better acceptance of IUD/Pills.

1347

Title	Recommended Dietary Intakes for Indian Sportsmen & Women
Author	Satyanarayana K, Nageswara Rao C, Narasinga Rao BS and Malhotra MS
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Provides information on basic aspects of nutrition, recommended dietry allowances for active sportsmen & women, energy requirements for reference sports person & for special category athletes, tables on balanced diets Menu plan for vegetarian & non-vegetarian sports person are also given.

1348

Title	Role of Health Delivery Services in Acceptance of Family Planning (Phase-I)
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Report of a multicentric study carried out in Gujarat, UP and Rajasthan in 1982-83 with funds from WHO.
Annotation	Describes organizational set up of health & family planning services, functionaries and agent's perception about their functions & performance. Integration of health & family planning, role of supervision etc. Deals with the knowledge & practice of family planning.

1349

Title	Socio-Cultural Determinants of Fertility
Author	
Publisher	ICMR
Place	New Delhi
Type	Proceeding
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Proceeding of ICMR/Ford Foundation workshop on child health, nutrition & family planning, December 1983.
Annotation	Contains technical papers presented in the workshop under the themes I) how modernisation/social changes affects fertility; ii) interrelationship between infant mortality & fertility; iii) what inhibits many couples from birth control acceptance; iv) value of children & norms of family planning.

1350

Title	Some Common Indian Recipes and Their Nutritive Value
Author	Pasricha S and Rebello LM
Publisher	National Institute of Nutrition(ICMR)
Place	Hyderabad
Type	Booklet
Class	Open
Price	Rs.6
Frequency	One Time
Year	1977
Notes	4th edition, reprinted 1985, First editon 1962
Annotation	Contains method of preparation and nutritive value of nearly 200 recipes using rice and wheat in several parts of the country. Helps in food selection. Also provides nutritive value per 100 gms of cooked foods (recipes).

1351

Title	Strategies for Research on Mental Health
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1982
Notes	Compilation of reports of advisory committees, task forces and working group.
Annotation	Includes recent discoveries in neurochemistry, neurobiology, psychotropic drugs, simple behavioral techniques which help to maintain the patient in harmony within the community. Gives management of acute psychotic episodes and epilepsy within the community at primary health care level.

1352

Title	Studies on Weaning and Supplementary Foods
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Rs. 6.00
Frequency	One Time
Year	1974
Notes	Technical Report Series No.27, Report of the Working party of the ICMR. Reprinted in 1984.
Annotation	Comprehensive study report on infant & child feeding, weaning practices among various socio-economic groups, types of weaning foods used, availability of protein rich foods. Deals with rural food habits, recipes developed at Coimbatoor, Poona, Hyderabad.

1353

Title	Techniques in Blood Banking
Author	Bhatia HM
Publisher	Institute of Immunohaematology (ICMR)
Place	Bombay
Type	Booklet
Class	Open
Price	Rs. 12.00
Frequency	One Time
Year	1985
Notes	
Annotation	Deals with various methods and techniques involved in blood banking, sampling & testing.

1354

Title	The Anophelines of India
Author	Ramachandra Rao T
Publisher	Malaria Research Centre (ICMR)
Place	Delhi
Type	Book
Class	Open
Price	Rs.150
Frequency	One Time
Year	1980
Notes	Revised edition, 1984.
Annotation	Divided into two parts. Part I gives classification, distribution, bionomics, speciation, genetics & cytogenetics, landmarks in control of Anophelines, vector density factor in malaria epidimiology, resistance to insecticides etc. Part II gives species, subspecies & varieties which occur in India.

1355

Title	The Pregnant —Woman How She Can Look After Herself
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	For free Distribution
Annotation	Describes the care to be taken by pregnant women, food needs, anaemia & its symptoms like loss of appetite, early fatigue etc., complications, treatment by foods like pulses, milk, eggs, fruits, vegetables & iron & folic acid tablets. Contains recommendations for enough breast milk etc.

1356

Title	Towards the Implementation of a National Nutrition Policy in India
Author	
Publisher	ICMR
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Report of a national seminar held in Srinagar on October 28-30, 1985.
Annotation	In two parts. First part describes specific recommendations to overcome the implementation problems of nutrition policy in India. Second part gives abridged version of background papers, discusses nutrition profile & food production & distribution system, role of institutes in nutrition policy, etc.

1357

Title	Traditional Medicine
Author	
Publisher	ICMR
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 20.00
Frequency	One Time
Year	1982
Notes	IJMR Supplement, vol.76, December, 1982.
Annotation	Contains articles on research on medical plants, ayurvedic drugs on urinary disorders, evaluation of plants for antiviral activity, inhibitary effects of garlic, antibacterial activity of coscinium fanestratun, invitro & invivo effects of lactons & arnebins, effect of berberine chloride eye drops on trachoma patients, affect of Tectona grandis on ulcers, treatment of dyspepsia with amalaki, anti fertility effect of plumbago zeylanica and many more.

1358

Title	Why Childern Need Plenty of Food
Author	
Publisher	National Institute of Nutrition (ICMR)
Place	Hyderabad
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	For free distributon
Annotation	Gives the food needs of childern, protein calorie malnutrition, symptoms for kwashiorkor & marasmus like swelling of legs & body, scanty hair, thin & weak body etc., treatment with balanced foods like cereals, milk & eggs. Describes Hyderabad mix, its ingredients, preparation etc.

1359

Title	Women's Accessiblity to Health and Family Planning.
Author	
Publisher	ICMR
Place	New Delhi
Type	Proceeding
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Proceeding of ICMR/Ford Foundation workshop on child health, nutrition and family planning, held at Bangalore, during November 9-11, 1983.
Annotation	Discusses status of women and her role in family decision making process, relationship between productive & reproductive role of women, women's accessibility to health care, family planning and other welfare services and family building process of migrant women in urban slums.

1360

Title	Studies on Pre-school Children
Author	
Publisher	ICMR
Place	New Delhi
Type	Technical Report
Class	Open
Price	Rs. 6.00
Frequency	One Time
Year	1986
Notes	Report of the working party on pre-school children.
Annotation	Provides information on nature and magnitude of nutritional disorders in pre-school children belonging to low socio-economic groups and the dietary patterns and nutrient intakes of such children. It deals with anthropometric measurements also.

IMD

India Meteorological Department

V. 16

Records: 1361 — 1382

1361

Title	Atlas of track of Storms and Depressions in the Bay of Bengal and Arabian Sea 1877-1970
Author	
Publisher	IMD
Place	Delhi
Type	Atlas
Class	Open
Price	Rs.295
Frequency	One Time
Year	1979
Notes	
Annotation	Includes charts on tracks of cyclonic storm in Bay of Bengal & Arabian Sea for the period 1891 - 1970, charts on tracks & annual variation of storms & depressions, frequency of formation & dissipation, movement frequency & point of recurvature.

1362

Title	Climate of Andhra Pradesh
Author	
Publisher	IMD
Place	Delhi
Type	Guide
Class	Open
Price	Rs.34
Frequency	One Time
Year	1976
Notes	
Annotation	Description of meteorological parameters pressure, wind, temperature, humidity, sunshine, cloudiness, rainfall & its variability, weather hazards over the state & districts is included. Illustrations of maximum & minimum, highest & lowest temperature and rainfall are depicted on state map.

1363

Title	Climate of Karnataka State
Author	
Publisher	IMD
Place	Delhi
Type	Guide
Class	Open
Price	Rs.64
Frequency	One Time
Year	1984
Notes	
Annotation	Meteorological conditions of Karnataka State & Districtwise description are given. Parameters included are pressure, wind, temperature, humidity, cloudiness, rainfall, weather hazards. Illustration of max. & min., highest & lowest temperature & rainfall are given.

1364

Title	Climate of Kerala State
Author	
Publisher	IMD
Place	Pune
Type	Guide
Class	Open
Price	Rs.48
Frequency	One Time
Year	1986
Notes	
Annotation	The meteorological condition of Kerala State & Districtwise are given. Parameters described are pressure, wind, temperature, sunshine, cloudiness, rainfall & its variability, drought, excessive rainfall, cyclonic storm, depression. Maps depicting max. & Min. temperature & rainfall are included.

1365

Title	Climate of Madhya Pradesh
Author	
Publisher	IMD
Place	Pune
Type	Guide
Class	Open
Price	Rs.90
Frequency	One Time
Year	1981
Notes	
Annotation	Meteorological conditions of Madhya Pradesh State & Districtwise descriptions are given. Parameters included are pressure, wind, temperature, humidity, sunshine, cloudiness, rainfall & its variability. Climatic classification of state, max - min., highest & lowest temperature & rainfall also given.

1366

Title	Climate of Maharashtra State
Author	
Publisher	IMD
Place	Pune
Type	Guide
Class	Open
Price	Rs.23
Frequency	One Time
Year	1974
Notes	
Annotation	The meteorological conditions of Maharashtra State & Districtwise are given. Parameters described are pressure, wind, temperature, humidity, sunshine, cloudiness, rainfall & weather hazards. Maps depicting maximum & minimum temperature & highest & lowest rainfall are also given.

1367

Title	Climate of Rajasthan State
Author	
Publisher	IMD
Place	Delhi
Type	Guide
Class	Open
Price	Rs.123
Frequency	One Time
Year	1988
Notes	
Annotation	Describes of meteorological parameters pressure, wind, temperature, humidity, sunshine, cloudiness, rainfall, rainfall variability, cyclone & depression over Rajasthan state & districtwise. Also illustrations of maximum & minimum temperatures & highest & lowest rainfall on map of Rajasthan.

1368

Title	Climatological Atlas of India (Abridged)
Author	
Publisher	IMD
Place	Pune
Type	Atlas
Class	Open
Price	Rs.150
Frequency	One Time
Year	
Notes	
Annotation	Atlas contains maps seasonwise for pressure & wind, temperature mean, maximum, minimum, humudity, cloud, rainfall. Rainydays climatological data for hill stations & island stations of India are included in tabular form.

1369

Title	Climatological Atlas of India, part - A (Rainfall)
Author	
Publisher	IMD
Place	Delhi
Type	Atlas
Class	Open
Price	Rs.401
Frequency	One Time
Year	1982
Notes	
Annotation	Maps depicting rainfall, rainy days, coefficient variability, monthly, seasonal, annual based on fifty years statistics from 1901 to 1950.

1370

Title	Climatological Tables of Observatories in India 1931-1960 (DIGLOT)
Author	
Publisher	IMD
Place	Delhi
Type	Book
Class	Open
Price	Rs.186
Frequency	One Time
Year	
Notes	
Annotation	Contains meteorological parameters mean value for about 160 stations on the basis of 30 years & for 74 stations for shorter period varying from 10 to 30 years. Information includes station latitude, longitude, height above MSL, air temperature, humidity, cloud, rainfall, wind direction & speed etc.

1371

Title	In the Centenary Year of his birth, IMD remembers him.
Author	
Publisher	IMD
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	
Annotation	Lists main areas of activities, Human resources applicable with IMD, Areas of current thrust, Important Landmarks. Also contains information on activities such as cyclone detection, Forecasting & Warning.

1372

Title	Indian Daily Weather Report
Author	
Publisher	IMD
Place	Pune
Type	Report
Class	Open
Price	Rs. 90
Frequency	One Time
Year	
Notes	Daily report. Annual subscription Rs.1080. Monthly subscription Rs.90.
Annotation	Contains summary of weather recorded at 0830 IST, forecasted weather. Actual values of meteorological parameters recorded at 0830 & 1730 IST by land & ships plying in Arabian Sea & Bay of Bengal. Maps for surface observations & departures of maximum and minimum temperatures.

1373

Title	MAUSAM - A Quarterly Research Journal
Author	
Publisher	IMD
Place	Delhi
Type	Journal
Class	Open
Price	Rs.40
Frequency	Quarterly
Year	
Notes	Four volumes in a year.
Annotation	Weather summary for winter (Jan-Feb), Hot weather (Mar-May), Monsoon season (June-Sept), Post monsoon season (Oct-Dec); Seismology, Earthquakes, Oceanography, Air pollution, Ozone, Tropical cyclone, Thunderstorms, Radiation, Climatology, Agricultural meteorology, Weather forecasting.

1374

Title	Meteorological Aspects of Severe Floods in India 1923 - 1979
Author	Ramaswamy c
Publisher	IMD
Place	Delhi
Type	Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Meteorological Monograph Hydrology No.1/ 1987.
Annotation	An analysis of major floods in India during 57 years 1923-79. A chmological study of the cases under three main meteorological features for heavy rainfall caused by monsoon depression in the interior over eastern & central Himalaya during break monsoon & rainfall by orographic effect

1375

Title	Radiation Atlas of India
Author	
Publisher	IMD
Place	Delhi
Type	Atlas
Class	Open
Price	Rs.147
Frequency	One Time
Year	1985
Notes	
Annotation	A portrayal of radiation climatology of India based on actual radiation measurement at 13 stations & computed radiation data for 105 well distributed stations. Gives data as tables & maps. Coverage of data for 21 years or more. However, the terrestrial radiation given for 10 years period 1971-80.

1376

Title	Rainfall Atlas of India
Author	
Publisher	IMD
Place	Pune
Type	Atlas
Class	Open
Price	Rs.75
Frequency	One Time
Year	
Notes	
Annotation	The atlas contains maps of rainfall & rainydays & coefficient of variations monthwise & annualy. Also includes maps showing seasonal rainfall & rainy days as percentage of respective annual totals. Tables for rainfall & number of rainy days, meteorological sub-divisionwise also included.

1377

Title	Rashtriya Panchang
Author	
Publisher	IMD
Place	Delhi
Type	Book
Class	Open
Price	Rs.5
Frequency	Annual
Year	1957
Notes	Yearly publication in Thirteen Languages.
Annotation	The Rashtriya Panchangs are being published by IMD from 1879 (1957-58 AD). This is being done with the objective of unfring the divergent practices of calender systems existing in different parts of the country & also to promote a scientific system of Panchang calculations.

1378

Title	Research in IMD : Meteorology (both in Science & Operational Aspects) demands.
Author	
Publisher	IMD
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Contains details of the activities of IMD at present, areas of current thrust, cyclones etc. Also includes state of art in IMD in areas like Research & Training, Meteorology, Hydrology, Climate research programme, Agriculture & Weather, Crop yield forecasts etc.

1379

Title	South West Monsoon
Author	Rao YP
Publisher	IMD
Place	Delhi
Type	Book
Class	Open
Price	Rs.84
Frequency	One Time
Year	1976
Notes	Meteorological Monograph Synoptic Meteorology No.1/ 1976.
Annotation	An exaustive review on characteristics of south westerly monsoon currents and influence of these on weather of India and adjoining land and sea areas.

1380

Title	Tables of Sunrise, Sunset and Moonrise, Moonset
Author	
Publisher	IMD
Place	Delhi
Type	Guide
Class	Open
Price	Rs.3
Frequency	Annual
Year	
Notes	Off print of the main publication, Astronomical Aphimeris previously known as Nautical Almanac
Annotation	Local mean times of sunrise, sunset & moonrise, moonset of five important cities of India viz; Calcutta, Varanasi, Madras, Delhi and Bombay have been specially calculated and given in IST.

1381

Title	The Indian Astronomical Ephemeris
Author	
Publisher	IMD
Place	Delhi
Type	Book
Class	Open
Price	Rs.100
Frequency	Annual
Year	1958
Notes	Previous title - Indian Ephemeris and Nautical Almanac, yearly publication since 1958.
Annotation	Publication contains usual astronomical data, National calender, Saka with timings, Tithis, Nakshatras etc. Festival dates, Eclipses of Sun & Moon, occultation of Planet & Stars, astronomical phenomena.

1382

Title	Weekly Weather Report
Author	
Publisher	IMD
Place	Pune
Type	Report
Class	Open
Price	Rs.180
Frequency	One Time
Year	
Notes	52 volumes in a year Thursday to Wednseday.
Annotation	Contains the week's rainfall summary, principal amounts of rainfall in cms. during the week, seasons rainfall, weather & associated synoptic features, meteorological subdivisionwise & seasonwise actual, normal, excess/ deficient percentage, temperature departures from normal, rainfall maps etc.

INSDOC

Indian National Scientific Documentation Centre

V.17

Records: 1383 — 1397

1383

Title	Catalogue of Exhibits - Exhibition of Information sources, services, processing & equipment.
Author	
Publisher	INSDOC
Place	New Delhi
Type	Catalogue
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	Exhibition organised during XIV IASLIC Conference 1983.
Annotation	Lists of Exhibits on Information Products & Services.

1384

Title	Catalogue of Translated Journals
Author	
Publisher	INSDOC
Place	New Delhi
Type	List
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	
Annotation	Lists 200 S&T Journal Titles of Cover-to-Cover English Translations.

1385

Title	Contents List of Soviet Scientific Periodicals VI-1971
Author	
Publisher	INSDOC
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Periodical
Year	1971
Notes	
Annotation	Gives content lists of about 600 Soviet Periodicals. Incudes original Papers, Investigations, Surveys, Letters, Reviews, etc.

1386

Title	Current Research Projects in CSIR Laboratories - 1984
Author	
Publisher	INSDOC
Place	New Delhi
Type	Directory
Class	Classified
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	A compendium that includes 1708 research projects from 37 laboratories, (for internal circulation.)
Annotation	This referral mechanism contains a register of current research projects in all the key areas of S&T alongwith outputs received from CSIR labs, investigator index, keyword index, sponsor index & laboratory-wise index.

1387

Title	Current Research in CSIR Laboratories 1981
Author	
Publisher	INSDOC
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Directory of ongoing CSIR projects in physical sciences, bio-sciences, engineering, agriculture, management & transport, chemical technology and metallurgy; investigator index, keyword index, sponsor index, are given seperately; also the projects are given laboratory wise.

1388

Title	INSDOC in the Service of the Nation
Author	
Publisher	INSDOC
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Gives the objectives of INSDOC, its organisational & functional chart, its services and its regional centres; also given are the rates for INSDOC services effective from January 1988 and the annual subscription rates for regular publications of INSDOC.

1389

Title	Indian Science Abstracts VI - 1965
Author	
Publisher	INSDOC
Place	New Delhi
Type	Science Abstract
Class	Open
Price	Not Priced
Frequency	Fort nightly
Year	1965
Notes	
Annotation	Covers Original Research Papers, Short Comunications, Research work of Indian Scientists, published in foreign journals, Reviews, Conference Proceedings, Monographs, Indian Patents, Standards, etc.;Abstracts are broadly grouped under UDC, Subheading, A-Z Author & Keywords given.

1390

Title	National Index of Translations VI - 1981
Author	
Publisher	INSDOC
Place	New Delhi
Type	List
Class	Open
Price	Not Priced
Frequency	Bi-monthly
Year	1981
Notes	
Annotation	NIT is a Monthly UDC classified list of English Translations of Foreign publications (Research papers, Monographs, Books, Pamphlets, Patents, Standards)done by Translation Units of R&D Establishments in India.

1391

Title	National Union Catalogue of Scientific Serials in India (NUCCSI).4 Volumes
Author	
Publisher	INSDOC
Place	New Delhi
Type	Catalogue
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Volume I A-E, VOL II F-J, VOL III K-P, VOL IV Q-Z.
Annotation	Contains holdings, data of about 35000 Titles of Serials in about 800 science libraries in India;about 18000 Serials are currently recieved; Includes Journals, Annuals, Yearbooks, Reports, Proceedings, Transactions, Bulletins;List of participating institutions & Document Supply Centres are given.

1392

Title	Organisations involved in Industrial Development - A Referral Directory
Author	Karki MMS
Publisher	INSDOC
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1981
Notes	Project Report of an INSDOC's Associate in Information Science.
Annotation	Directory and a Survey of about 350 organisations involved in Industrial Development; includes International Organisations devoted to Economic Development, Trade, R&D, Industrial Information, Planning, Policy making, Executive bodies, etc.

1393

Title	Recent Trends in Wind Energy
Author	Tewari SK
Publisher	INSDOC
Place	New Delhi
Type	Review Report
Class	Open
Price	Rs.30
Frequency	Occasional
Year	1985
Notes	
Annotation	Reports major trends in Wind Energy utilisation in seven chapters.

1394

Title	Russian Scientific and Technical Publications - An Accession List, VI-1971
Author	
Publisher	INSDOC
Place	New Delhi
Type	Accession List
Class	Open
Price	Not Priced
Frequency	Bi-monthly
Year	1971
Notes	
Annotation	Lists Russian Publications in Science & Technology.

1395

Title	Science Information Services in India
Author	
Publisher	INSDOC
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1980
Notes	
Annotation	Covers documentation, information library services of 465 organisations in India in subjects like agriculture, medicine, defence studies, space energy; also gives place, services, keyword, class indexes.

1396

Title	Training Course in Information Science: Prospectus & Syllabus 1988
Author	
Publisher	INSDOC
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	
Annotation	Contains details of the Education & Training in a Two Year Programme offered by INSDOC; gives objectives of the course, Curriculum, Admission Requirements, Fees, Financial assistance, etc.

1397

Title	Union List of Current Scientific Serials in India
Author	
Publisher	INSDOC
Place	New Delhi
Type	Catalogue
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1981
Notes	Union catalogue series, 18 titles arranged alphabetically.
Annotation	Lists 11511 foreign scientific serials received from 82 countries and 1892 Indian serials. carries holdings information of 785 institutions, includes directory of participating institutions and document supply centres, two-tables give countrywise and broad subjectwise breakdown of current serials.

NISTADS

National Institute of Science, Technology
& Development Studies

V. 18

Records: 1398 — 1451

1398

Title	A Report on Techno marketing survey of Non-agricultural product of Mewat (Haryana)
Author	Khan S
Publisher	NISTADS
Place	New Delhi
Type	Survey Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Contains statistical data.
Annotation	Techno-marketing survey of Mewat (Haryana).Deals with non-agricultural products like handloom, leather, pottery etc.; spcial attention is given to artisans.

1399

Title	Asian Industrialisation. A few selected issues
Author	Chandra M
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Reviews the industrialisation situation in Asian Member Countries; the cooperation and environmental aspects are specially discussed.

1400

Title	Collected Essays on History and Policy of Science.
Author	Greven MT
Publisher	NISTADS
Place	New Delhi
Type	Lecture Synopsis
Class	Open
Price	Rs.50
Frequency	One Time
Year	1982
Notes	Gives statistical data on West Germany.
Annotation	Series of lecture notes given by author on his visit to NISTADS; describes the social and economic impact of scientific pluralism, taking example of West Germany.

1401

Title	District Plan Gurgaon (1988-2000 A.D.)
Author	
Publisher	DISTRCT PLANNING BOARD
Place	Gurgaon
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Plan document describes Resource Profile of the District Status of District Planning in Haryana, sectoral development programmes and Budget of the Plan. The Document was drawn using NRDMS Database model document.

1402

Title	A Study on Linkage of Research Institutions with Acadamic Institutions & Industrial Organisations
Author	
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	A report prepared for Department of Science & Technology by NISTADS in September, 1989
Annotation	Printed in two volumes. The first volume contains Abbreviations used, Overviews of Research Instt., their Categorisation, Academic & Insustrial Links, Policy recommendations etc. Volume II gives tables of Manpower, Expenditure, Time devoted, Research output, Perceptions of collaborators etc.

1403

Title	Guide to Records relating to Science and Technology in the National Archives of India, ARAMP Study
Author	Tirmizi SAI
Publisher	NISTADS
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	
Annotation	The guide describes the location holdings of various archival records in Govt departments, Institutions, Nature of records, physical form, method of storage, administration of organisation maintaining records etc.

1404

Title	Impact Studies in Romania - Conceptual and Methodological issues
Author	Sisesti II
Publisher	NISTADS
Place	New Delhi
Type	Lecture Synopsis
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	
Annotation	Monograph of lecture given by Dr. I. Sisesti at NISTADS on the relation of Technology Assessment and S&T Development, and some case studies.

1405

Title	Influence of Metropolitan Proximity on Skill Formation of Rural Workers
Author	Rahman A, Qureshi MA, Solanki SS and Vashist VN
Publisher	NISTADS
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1982
Notes	A case study of Haryana villages.
Annotation	Deals with behavioural patterns of rural workers, Traditional occupations, Changes to new professions. Information helpful to develop in their occupation, Impact of Metropolitan Proximity on the skills etc. Tables illustrate details of the same in 3 Districts.

1406

Title	Leadership, group climate and R&D performance
Author	Nagpaul PS
Publisher	NISTADS
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Paper presented at the workshop on International Comparative study on Organisation and Performance.
Annotation	The relationship of leadership and the group climate to the R&D performance is discussed.

1407

Title	Mewat Statistical Abstract (1980-81 to 1984-85)
Author	
Publisher	NISTADS
Place	New Delhi
Type	Abstract
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	
Annotation	Document contains information on various socio-economic parameters pertaining to Mewat region viz;Administration area & Population Agriculture & Iirrigation, Forests Livestocks & Animal Husbandry, Labour & Employment, Medical & Health Education Cooperation, Banking & Transport for Planners etc.

1408

Title	Current Literature on Science of Science
Author	
Publisher	NISTADS
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 150/- P.A.
Frequency	Monthly
Year	1990
Notes	It is a monthly Journal with Annual subscription of Rs. 150/- for Indian subscribers.
Annotation	Contains Book review and Digest, Abstracts related to Science Studies, Technology plans, Programmes and Projects and Policies etc. Also contains Author and Subject Index at the end.

1409

Title	NISTADS
Author	
Publisher	NISTADS
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	
Annotation	Gives the objectives and describes its activities in brief.

1410

Title	Natural Resources Data Management System (NRDMS) District Database Gurgaon (Haryana) Concept Problems and Perspective
Author	Khan Subhan and Qureshi MA
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Concepts and problems related to decentralised Planning Databases at international, national areal district and regional level are discussed. NRDMS Project being implemented in mission mode is described in terms of its idea generation, definition file structure, grid reference and remote sensing.

1411

Title	In Search of Quantum Reality
Author	
Publisher	NISTADS
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1990
Notes	International Conference on the Conceptual Foundations of Quantum Theory, Dec. 28, 1989 - Jan. 2, 1990
Annotation	Contains abstracts of papers presented by various persons on Quantum Theory. Includes topics like Geometric view, Uncertainity Principle, Quantum Reality, Wave packet solutions, Quantum measurements etc.

1412

Title	Organisation and Efficiency of Research Groups
Author	Nagpaul PS
Publisher	NISTADS
Place	New Delhi
Type	Course Material
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Some statistical data of countries.
Annotation	Describes the objective and methodology of ICSU projects and problems in measurement of research performance, financial mechanism and choice of research themes in relation to various factors, comparative study of research units in six countries organisational structure, leadership participation etc.

1413

Title	Prevalance of Fluoride Disease in Gurgaon District (Haryana) Interim Report
Author	Khan Subhan and Madan Rajeev
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Describes Flurosis Diseases in India & Gurgaon District Prevalance of Dental Fluorosis Skeletal & Non Skeletal Fluorosis & Dental Caries are discussed & data are presented through Maps, Tables & graphs. Villagewise Prevalance & Percentage Probability of Fluorosis due to water is discussed.

1414

Title	Nehru the Architect of Indian Science
Author	Ashok Jain, Ahuja JK, Subodh Mahanti and Vijay Barnala
Publisher	NISTADS
Place	New Delhi
Type	Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Contains excerpts and speeches delivered by Pandit Nehru at the Opening Ceremony of Scientific Instt.
Annotation	Contains 41 photos of Pandit Nehru, describes about Science for the millions, for larger humanity, for space purpose, approach of space purpose, approach of Science, advancement through Science, its use as guiding principle, self-reliance, Technology & progress etc.

1415

Title	Proceedings of the First Development Meeting on "Alternative Strategy for Development" February 25-28, 1980
Author	Rahman A
Publisher	NISTADS
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	
Annotation	Concerns developing a frame work for solving the problems created by Current Model of Development.The developing countries are given special emphasis.The objective is to develop Renewable Sources of Energy and effective utilization of natural resources.

1416

Title	Proceedings of the International Seminar on "Determination of Priorities in Science and Technology, April 14-23, 1980
Author	Vashist VN
Publisher	NISTADS
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1982
Notes	
Annotation	Discussion on determining priorities in development, Decision making process, Manpower, Agriculture, Industrial Energy, Natural Resources etc. are given

1417

Title	Proceedings of the Seminar on "Frontier Technologies in the Third World towards a Strategy of Self Reliance" December 15-18, 1982.
Author	Abrol.D
Publisher	NISTADS
Place	New Delhi
Type	Seminar Proceedings
Class	Open
Price	Rs.125
Frequency	One Time
Year	1986
Notes	
Annotation	The experience in building technological capabilities and programmes for achieving self reliance, discussed specially in the Indian context. The need for R&D capabilities stimulating internal market, dangers of too much import are also discussed.

1418

Title	Proceedings of the UNESCO Meeting of Experts on "Comparative Philosophical Studies on changes in relation between Science and Society" June 21-24, 1983
Author	
Publisher	NISTADS
Place	New Delhi
Type	Conference Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Includes a Bibliography.
Annotation	Deals with philosophical studies and scientific developments in different cultures.Cases studied, China and Japan and impact of scientific development on their society.

1419

Title	Proceedings of the UNESCO sponsored National Seminar on "Social relations of Scientific and Technical Change" April 5-7, 1983
Author	Ahmed A and Quereshi MA
Publisher	NISTADS
Place	New Delhi
Type	Seminar Proceedings
Class	Classified
Price	Not Priced
Frequency	One Time
Year	1984
Notes	
Annotation	S&T and Society is discussed as instrument influencing each other. Some of the developmental case studies like Karimnagar project, drug & pharmaceutical industry, Arunachal pradesh are taken. Perspectives of scientific and technological processes are also discussed.

1420

Title	Proceedings of the Workshop on Science and Technology indicators for Development. February 21-26 1985
Author	Pruthi S and Nagpaul PS
Publisher	
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Identifies role of Science Indicators in assessing Policy Formulation, Management and Organisation Mapping of Sciece through citations and Quality of Science and Impact.

1421

Title	Proceedings on the UNESCO-NISTADS Workshop on "Choice of Technology for Endogenous Development", October, 1983.
Author	Ahmed A and Quereshi MA
Publisher	NISTADS
Place	New Delhi
Type	Workshop Proceedings
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	
Annotation	Discussion on choice of technology;objectives of endogenous development and role; health & environment; mechanism of transfer of technology; Including case studies.

1422

Title	Project Profile: Profiles of Village Artisans and Science, A Project at CSIR Field Station, Bankura
Author	
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	
Annotation	The activities of CSIR field station at Bankura (Rajasthan), its involvement in developing local craft based industries are discussed.

1423

Title	Quality of Drinking Water in Sohna Block Gurgaon District (Haryana), Interim Report
Author	Khan Subhan and Sinha Shubhra
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Report describes water problems in Gurgaon District and Sohna Block in terms of excessive nitrates, fluoride, electrical conductivity, hardness, sulphates and multiple parameters, village wise maps are prepared and data presented, specially status of Ground Water and Rural Water Supply discussed

1424

Title	S&T Discussions in Parliament Perceptions of MPs
Author	Nirmal Haritash, Ashok Jain, Nabi SA, Nagpaul PS, Wahid A, Gupta
Publisher	NISTADS
Place	New Delhi
Type	Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	A publication of NISTADS; contains IV chapters with a forward note.
Annotation	Introduces methodology, major issues examined, analysis & interpretations, recommandation. Also contains 11 tables about perceptions of MPs about the management of Science & Technology in the country, the discussions on S&T issues held in the Parliament etc.

1425

Title	Report on the Techno Economic Survey of the Craft Based Rural Industries of Bankura
Author	Nath P
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	
Annotation	Report based on survey done by S&T field station Bankura (Raj), Survey methodology, Labour utilisation and technology problems analysed.

1426

Title	Research & Development for Production of Essential Drugs in India a Pilot Study.
Author	Mehtra NN
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Pilot study of Essential Drug production carried out, R&D link between National Laboratories and industry, the cases of drug shortage, existing technological gaps discussed.

1427

Title	Resource Atlas for Block Planning of Ferozepur Jhirka Block in Mewat Region District Gurgaon (Haryana)
Author	Khan Subhan and Khandelwal KK
Publisher	NISTADS
Place	New Delhi
Type	Atlas
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	
Annotation	Atlas describes location, physiography and Emorphology, Geology, climate isohytes, soils, hydrogeology and ground water potential network of observation points, depth to water, water table countour, water table fluctuation, hydrograph electrical conductivity etc. Sectorwise population, agriculture are given.

1428

Title	Scientific Associations in British India
Author	Tirmizi S A I
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Gives role of Scientific Associations in building up Science & Technology in British India.
Annotation	In 7 chapters gives details of Scientific Associations like current address, Registration, Membership, Funding sources, Branches, Founded on, Publications list, Library, Archives, Linkage with other Institutions. Subjectwise list of Associations on Medical, Natural, Agricultural Science also given.

1429

Title	Rural Artisan Industries in Gurgaon District- Problems & Potentialities
Author	
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Report based on census of rural artisans of Gurgaon district (Haryana), done foe DRD asseting methodologyindustrial structure, Socio economic dimensions of artisans, Technology marketing problems, Process & Knowledge of artisans, Institutional Assistance & satisfaction level product diversification.

1430

Title	Rural Artisan Industries in Gurgaon District - Problems and Potentialities
Author	Khan Subhan
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Report based on Census of Rural Artisans of Gurgaon District (Haryana), done for DRDA setting methodology, industrial structure socio-economic dimensions of Artisans Technology Marketing problems process , knowledge of Artisans institutional assistance and satisfaction level product Diversification.

1431

Title	Rural Landless Employment Guarantee Programme Proposed Annual Action Plan (1989-90) District Gurgaon (Haryana)
Author	Khandelwal KK and Khan Subhan
Publisher	DRDA
Place	Gurgaon
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1989
Notes	
Annotation	Plan Document describe the setting in terms of location Topography Drainage Soils Hydrology Agriculture Animal Husbandary Socio-Economic conditions and Poverty Alleviation Programmes Major Sectors Planned includes Social Forestry, Directly Productive Economic Assets Community Welfare Assets, etc.

1432

Title	Technical Cooperation Among Developing Countries
Author	Tabassum Jamal, Ashok Jain
Publisher	NISTADS
Place	New Delhi
Type	Book
Class	Open
Price	Rs. 200
Frequency	One Time
Year	1989
Notes	Divided into two parts; I- Developing Countries, II -Afro-Asian Countries
Annotation	Part-I contains introduction TCDC, the Colombo plan of action (1976), the Buenos Aires plan of action(1978), Pugwash guidlines for International Scientific Cooperation for development (1978), Carces Programme (1981), New Delhi Declaration (1982), II-contains Co.Op. among Afro-Asian countries.

1433

Title	S.S.Bhatnagar : Institution Builder
Author	
Publisher	NISTADS
Place	New Delhi
Type	Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Private Archives of Indian Scientists -1.
Annotation	The private archives of Dr.Bhatnagar comprise his correspondence, Notes, Reports, Minutes of meetings, Resolutions, News paper clippings etc., covers the period 1984-1954. Gives a brief Life History of the Scientist. Total 543 entries are there.

1434

Title	Science Policy & Planning and Social Progress in the German Democratic Republic
Author	Wahl D
Publisher	NISTADS
Place	New Delhi
Type	Lecture Synopsis
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	Synopsis of Lectures
Annotation	Lecture delivered by Dr. D.Wahl, Institute for Theory, History and Organisation of Science, Academy of Sciences, Berlin., German Democratic Republic.

1435

Title	Science Policy in India
Author	Rahman A
Publisher	NISTADS
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Presents the evolution of the Science Policy in two parts. Firstly the Assessment of Implementation of Scientific Policy Resolution, secondly the Impact & Resultant changes in Science Policy as a result of External Factors.

1436

Title	Science and Technology Policy and Forecasting
Author	Pec KI
Publisher	NISTADS
Place	New Delhi
Type	Course Material
Class	Open
Price	Not Priced
Frequency	One Time
Year	1981
Notes	
Annotation	Deals with future research plan and S&T Policy and their inter relationships.

1437

Title	Science and Technology in India
Author	Rahman A
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	Provides list of Institutions and statistical data on Scientific and Technical Financing.
Annotation	The report presents a view of the Historical Scientific Development linked with the present scientific developments. Brief reviews of infrastructue for education and development, Science policy & Management pattern of institutions, various scientific societies and their work etc.

1438

Title	Science and Technology in Indian Culture. A Historical Perspective
Author	Rahman A
Publisher	NISTADS
Place	New Delhi
Type	Lecture Synopsis
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	
Annotation	Discusses impact of S&T in Indian Culture by dividing into periods. Ancient, Medieval, Colonial, Post Independence, future perspectives are also discussed.

1439

Title	Scientific Policy Resolution - A Progress Report on the Developmet of Science & Technology.
Author	Rahman A
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	
Annotation	Reviews the development of Indian science policy and S&T planning, the emphasis is a dissemination of science; gives statistical data on expenditure and manpower.

1440

Title	Scientific and Technological Reports of the Raj.
Author	Rahman A and Tirmizi SAI
Publisher	NISTADS
Place	New Delhi
Type	Bibliography
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	
Annotation	The report covers the period 1842 to 1947, the reports published by British India.

1441

Title	Seminar on Public response to Introduction of New Technologies in India, Indian experience, current problem and future prospects
Author	
Publisher	NISTADS
Place	New Delhi
Type	Conference Proceedings
Class	Classified
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Gives a short note on Productivity improvement in SAIL and MAEP using new Technologies, includes a report of Air India, involving Data capture at source, on line systems etc.

1442

Title	Shanti Swarup Bhatnagar - His Life and Work
Author	Bhatnagar AS
Publisher	NISTADS
Place	New Delhi
Type	Book
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Very rare pictures showing Bhatnagar's association with C.V.Raman, Nehru, Zakir Hussain etc.
Annotation	The biography demonstrates Bhatnagar's efforts towards the application of Science for tackling problems of Industry. Divided into early life and Education, a Teacher and Researcher, Industrial research, Public Acclaim, In service of the Nation, Scientific Publications & Honours etc.

1443

Title	Summary Report and Recommendation of the International Seminar on "Role of Fundamental Research in Developing Countries", February 7-10-1983
Author	
Publisher	NISTADS
Place	New Delhi
Type	Seminar Proceedings
Class	Classified
Price	Not Priced
Frequency	One Time
Year	1983
Notes	
Annotation	Report and recommendations on International Seminar, gives list of participants, advisory and organising committees.

1444

Title	The Aluminum Industry in India - Promise, Prospects, Constraints and Impact
Author	Lal VB
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Rs.60
Frequency	One Time
Year	1985
Notes	
Annotation	Gives an overview on Bauxite, Alumina, Aluminium ores processing and problems, processing technique, environmental quality, technology and its status, Research & Development, etc.

1445

Title	The Cultural and Philosophical Roots of Scientific Tradition. 1983
Author	Rahman A
Publisher	
Place	
Type	Course Material
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Lecture notes of Mr A Rahman at UNESCO meeting.

1446

Title	The Cultural and Philosphical roots of scientific tradition
Author	Rahman A
Publisher	NISTADS
Place	New Delhi
Type	Monograph
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	Prepared for UNESCO meeting of experts on comparative philosophical studies on changes in relations.
Annotation	Gives a possible model for the evolution of scientific tradition and records, the cultural and philosophical roots of the scientific traditions existing in different parts of the world.

1447

Title	The Role of Parliament in the Formulation of National Science & Technology Policy.
Author	Rahman A and Hartash N
Publisher	NISTADS
Place	New Delhi
Type	Study Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	
Annotation	The roles of Political parties and the Prime Minister are discussed. Finance committee issues and their impact on Science and technology policy are examined.

1448

Title	Transfer of Technology from National Laboratories to Industry
Author	Quereshi PS
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	National Research Development Corporation of India briefly described.
Annotation	Describes frame work of technology transfer and model of technology transfer. Some case studies of transfer of know how from CSIR Laboratories to industries are mentioned.Various subsystems for technology transfer are also discussed.

1449

Title	Wastelands in Sohna Block of Gurgaon Districts (Haryana) Interim Report
Author	Khan Subhan, Sinha Shubhra and Madan Rajeev
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Report Describes Status of Wastelands in India, Haryana State Gurgaon District and Sohna Block. Villagewise Data on undulating upland with or without scrub gullied and or Ravinous land degraded Pastures and Grazing lands, water bodies, salt affected lands, open Jungle and Forest Lands are Presented on Maps.

1450

Title	Technology Assessment and Transfer Mechanism of Indian Biotechnology Programmes in Health Sector
Author	Visalakshi S, Mehrotra N.N., Poonam
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1989
Notes	Sponsored by the Department of Biotechnology, Government of India, New Delhi
Annotation	Based on three case studies, refers to indeigeneously developed Biotechnology in the area of health. Covers economics cost benefit criteria for chances of successful utilisation of R&D and also incorporates the factors like suitability, flexibility & preparedness of the society.

1451

Title	Workshop on R&D Management Nov.24-28 1987
Author	Roy S, Gupta VK and Dhawan SK
Publisher	NISTADS
Place	New Delhi
Type	Report
Class	Classified
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Background material prepared for a workshop contains articles on R&D Management, Objectives, Certain Case Studies.

NRDC

National Research Development Corporation

V. 19

Records: 1452 — 1870

1452

Title	"Simultaneous Inter-Communication" - Process No.1077.05.86
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Physical Laboratory (NPL), New Delhi.
Annotation	Describes the technique developed, its use, required materials for production.

1453

Title	2 2 Dichloropropionic Acid (Dalapon). NRDC Process No. 676 08 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Process developed at: National Chemical Laboratory, Pune CSIR.
Annotation	Gives uses, the new process developed, raw materials, plant & equipment, and capital outlay required.

1454

Title	2-Amino-5-Chlorbenzophenone and 2-Methlamino-5-Chlorobenzophenone, NRDC Process No. 474 12 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Chemical Laboratory.
Annotation	A new process using Benzyl Cyanide and p-Nitrochlorobenzene to manfacture the compounds and the machinery required are given.

1455

Title	2-Chloroethyl Trimethylammonium Chloride/Chlorocholinechloride(ccc) (Also available under the trade namescyocel/cholormequat) NRDC Process No 573 9 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Process developed at: National Chemical Laboratory, Poona.
Annotation	Gives the uses, details of the process, raw materials, plant & equipment needed, and the capital outlay.

1456

Title	CTT Technology Digest. January - March, 1989
Author	
Publisher	NRDC
Place	New Delhi
Type	Journal
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	1989
Notes	Quaterly Magazine for restricted circulation.
Annotation	Gives an overview of Technologies availabe with NRDC and to cater to the specific need of enterpreneures in a particular area, the availabe Technologies have been classified into the three areas, Building and construction, Chemical & allied, Electronics & Instruments.

1457

Title	20 Channel Digital Data Logger using Commercial typewriter.NRDC Process No. 527 5 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Water And Power Research Station, Poona.
Annotation	Introduction, specification, raw materials and cost of production given.

1458

Title	20 Channel Logger for Water Speed Measurement.NRDC Process No. 552 75
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Water and Power Research Station, Poona.
Annotation	Gives work done at research station, raw materials, plant & machinery necessary for fabrication, uses, and the cost of components.

1459

Title	30th Annual Report 1983-1984
Author	
Publisher	NRDC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1984
Notes	
Annotation	List the composition and financial operations of 83-84, summarised accounts, financial statements, auditors report, its present activities and the financial inflow to NRDC over the past 10 years.

1460

Title	31st Annual Report 1984-85
Author	
Publisher	NRDC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1985
Notes	
Annotation	Lists the board of directors, director's report, financial operation of 84-85, summarised accounts, financial statements, auditor's report, its present activities and the financial inflow to NRDC over the past 10 years.

1461

Title	32-line Electronic Telephone Exchange - NRDC Process No.1022.09.84, Reprint No.1037 11 85
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Electronic Engineering Research Institute, Pilani.
Annotation	Gives the design, specifications, equipment and raw material required for production, of 32 line Electronic Exchange.

1462

Title	32nd Annual Report 1985-86
Author	
Publisher	NRDC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Gives the board of directors, director's report, financial operations of 85-86, summarised accounts, financial statements, auditor's report, a profile and its present activities and the financial inflow to NRDC over the last 10 years.

1463

Title	A Device for Intra-Ovarian Injection in large animals - NRDC Process No.405 2 4, Patent No.108145
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Drug Research Institute.
Annotation	Describes the special features of the device developed for delivering drugs directly into deep seated organs of large female animals. Raw materials and equipment required for manufacture are also given.

1464

Title	A Latex Cement Coating for the Protection of Reinforcement in Cellular Concrete - Process No.257 11 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Building Research Instt., Roorkee.
Annotation	Describes the process, material and equipment required for manufacture of Latex Cement.

1465

Title	A Mechanical Device for Eradication of submerged Aquatic Weeds NRDC Process No.508 4 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CIFT, Cochin.
Annotation	Introduction, operation of the machine, materials needed, production cost given.

1466

Title	A Moulding Compound for Paper Capacitors - Process No.290 12 2, Patent No.92787
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Defence Research Laboratory(M), Gwalior.
Annotation	Gives the advantages of the product developed, required material and equipment for production.

1467

Title	A Powered Cycle Rickshaw - Process No.466.09.4
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CMERI, Durgapur.
Annotation	Describes power pack developed, test results, cost of fitting a power-pack etc.

1468

Title	A Sand Sampler - Process No.698.11.6, Reprint of 15 01 1, Patent No.106805
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CBRI, Roorkee.
Annotation	Describes the new sampler and required materials and workshop facilities for production.

1469

Title	A Study of Parameters for Technology Dissemination in Rajasthan
Author	
Publisher	NRDC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives district-wise information, ecosystem and environment problems, the social life and customs of the people of Rajasthan and the R&D infrastructure.In the annexures, literacy ratio, list of voluntary agencies, household industries are given.

1470

Title	Acid Inhibitor in Solid Form. NRDC Process No.677 08 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CECRI, Karaikudi-623006.
Annotation	Introduction, demand, process, materials needed & economics given.

1471

Title	Acid and Alkali Resistant Tile. NRDC Process No.504 4 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at CBRI Roorkee.
Annotation	Introduction, novel features, scope of applications, trial materials needed and quality of the product given.

1472

Title	Acrylic Co-Polymer Emulsion - Process No.241 10 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CLRI, Madras.
Annotation	Gives technical data, capital, equipment and material required for production for Acrylic Co-polymer Emulsion.

1473

Title	Agrowaste Compaction Machine. NRDC Process No.941 07 82. Reprint No.1121 03 87.
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Developed at School of Applied Research, Vishrambag Sangli (Maharashtra) 416415.
Annotation	Gives some details about agrowaste, describes the process, size and physical properties of the products formed, and the plant parameters.

1474

Title	Alchrome-U. NRDC Process No.251 10 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Leather Research Instt., Madras.
Annotation	Describes how four different operations in leather processing can be done at one stroke using Alchrome-U.

1475

Title	All Glass Distillation Apparatus. NRDC Process No.292 02 3, Reprint No.1061 04 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at NPL, New Delhi.
Annotation	Introduction, description, materials needed, and capital outlay given.

1476

Title	Altimeter. NRDC Process No:626 4 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Scientific Instruments Organisation, Chandigarh.
Annotation	Introduction, uses, demand, materials needed, and techno-economics given.

1477

Title	Aluminium Alloy Anodes for Cathodic Protection. NRDC Process No.429 05 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Electro Chemical Research Institute, Kudikarai. Indian Patent No 129038.
Annotation	Introduction, demand, process, materials needed and suggested economic units given.

1478

Title	Aluminium Sulphate from Clays. NRDC Process No.149 03 2, Reprint no.553 8 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at RRL, Jorhat.
Annotation	Introduction, process, materials needed given.

1479

Title	Ammonium Vanadate from Vanadium Sludge of Aluminium Industry - NRDC Process No.772.11.7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1977
Notes	Developed at Regional Research Laboratory, Bhubaneswar.
Annotation	Describes the process studied on bench scale, raw materials and machinery required for manufacture and suggests economic scale of operation.

1480

Title	An Improved Formulation of Potassium Silicate based Chemical Resistant Cement - NRDC Process No.194 06 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Building Research Instt., Roorkee.
Annotation	Gives the properties of the improved formulation, raw materials required and the process of manufacture.

1481

Title	An Improved Induction Motor. NRDC Process No.3643 5 6, Patent No.128468
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Indian Institute of Technology, Madras.
Annotation	Describes a new Induction Motor with continuous speed control, its advantages and machinery required to manfacture.

1482

Title	An Improved Method for Constructing Compaction Piles. NRDC Process No:143 02 2 Reprint No:947 10 82
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1982
Notes	Developed by Central Building Research Institute, Roorkee. Indian patent no:126179.
Annotation	Details of the process given.

1483

Title	An Improved Method of Coal Flotation by use of Grids. NRDC Process No.707 12 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CFRI(CSIR), Dhanbad.
Annotation	Introduction, advantages, uses, specifications, experimental results given.

1484

Title	An Improved Method of Constructing Compaction Piles. NRDC Process No.143 02 2, Indian Patent No.126179
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Building Research Instt, Roorkee.
Annotation	Gives the know-how for a process of constructing bored piles in loose sandy soils.

1485

Title	An Improved Process for the Manufacture of Carbon-Monoxide Detector Tubes - Process No.36409 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Mining Research Station, Dhanbad.
Annotation	Gives the novel features, production process and application of Carbon-monoxide detector tubes.

1486

Title	Angle Beam Probes & Surface Wave Probes for Ultrasonic Non-Destructive Testing Equipment - Process No.362.09.3
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at NPL, Delhi.
Annotation	Describes the device and gives the requirements for production.

1487

Title	Aniline - NRDC Process No.479 12 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Chemical Laboratory, NCL, Pune
Annotation	Describes a continuous process for the manufacture of Aniline. The raw materials and equipment required etc. are also discussed.

1488

Title	Aniline Sulphate from Nitrobenzene - Process No.503 4 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CECRI, Karaikudi.
Annotation	Describes the process, required material, machinery for production and capital outlay, of Aniline Sulphate

1489

Title	Annual Report 1986-1987
Author	
Publisher	NRDC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Gives director's report to the board of directors, summarised accounts, financial statements of 1986-87, auditor's report, and the financial inflow to NRDC over the last 10 years.

1490

Title	Anodising of Aluminium and its Alloys. NRDC Process No.926 12 01
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Process developed at CECRI(CSIR) Karaikudi.
Annotation	Introduction, process, materials needed & investment given.

1491

Title	Anti-Misting Composition - NRDC Process No.282 12 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at DETT, Defence Research Laboratory, Gwalior.
Annotation	Gives the composition developed and the raw material required for production of materials for Anti Misting Applications

1492

Title	Antifungal Tablets.NRDC Process No:1108 11 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Developed at Central Leather Research Institute, Madras.
Annotation	Introduction, market, process, characteristics, materials needed, and investment given.

1493

Title	Antilaser Filter for the Protection of Eyes from Lasers.NRDC Process
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Instruments Research & Development Estt., Dehradun.
Annotation	Describes the process of depositing 25 micron film on glass plate for goggles. Also gives the raw material and equipment required for manufacture of such goggles.

1494

Title	Antioxidant 2, 2, 4- Trimethyl-6-Ethoxy-1, 2-Dihydro-Quinoline. NRDC Process No.253 10 2
Author	
Publisner	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Chemical Laboratory (NCL), Pune
Annotation	Describes the new process developed and raw materials required for the manufacture of the compound used as an antioxidant in rubber industry.

1495

Title	Apparatus Electrosleep - NRDC Process No.730 02 7, Reprint No.435 064
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Electronic & Radar Development Establishment, Bangalore.
Annotation	Work done at the institute, on Electrosleep Instrument requirements for production, test instruments are given.

1496

Title	Asatoic Anhydride. NRDC Process No.788 06 8
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at RRL,(CSIR), Bhubaneswar (Orissa).
Annotation	Introduction, demand, process, quality, materials and equipment needed, and suggested economic unit given.

1497

Title	Audio Distribution Amplifier. NRDC Process No.701:4 1134 09 87
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Developed at Research Department, A I R, New Delhi.
Annotation	Introduction, description, specifications given.

1498

Title	Auto Rust and Scale Inhibitor. NRDC Process No.131 01 2.Reprint No : 724 02 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Defence Materials & Stores Research Development Establishment, Kanpur.
Annotation	Explains the necessity of the product, and its features.

1499

Title	Automatic Charger for Lead-Acid Batteries - NRDC Process No.678 09 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Aeronautical Laboratory, Bangalore.
Annotation	Gives the principle of operation of the charger, specifications, raw material and equipment required for its manufacture.

1500

Title	Automatic IC Tester - NRDC Process No.473 3 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Aeronautical Laboratory (NAL), Bangalore.
Annotation	Gives the work done at the laboratory on automatic IC tester for testing TTL digital integrated circuits of 7400 series. Specifications, applications, components, required machinery are also given.

1501

Title	Automatic Road Unevenness Recorder.NRDC Process No.543 6 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CBRI, New Delhi.
Annotation	Introduction, demand, process, advantages, materials needed, and economics given.

1502

Title	Baby Harmonium - Process No.595.11.5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by Mrs. R. Jesuratnam, Bangalore.
Annotation	Describes the instrument, required raw material and equipment for production.

1503

Title	Berberine Hydrochloride from Berberis Lycium Royte - Process No.269.11.2
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at RRL, Jammu.
Annotation	Describes the process using the root, & technical data of the product.

1504

Title	Binocular Communication System - NRDC Process No.717 01 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Solid State Physics Laboratory, Delhi.
Annotation	Describes a simple and secure voice communication system. Also gives raw material and machinery required for manufacture.

1505

Title	Binocular Prismatic 7X50 to New Design - NRDC Process No.893.12.80, Patent No.141993
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	1980
Notes	Developed at Instruments Research & Development Estt., Dehradun.
Annotation	Describes the optical system of the device, raw materials and equipment required for its manufacture etc.

1506

Title	Bisphenol-A-NRDC, Process No.315 04.3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Chemical Laboratory (NCL), Pune.
Annotation	Gives the new process developed, the raw materials required etc.

1507

Title	Black & Coloured Dyes (Developers) for Electrostatic Photocopying Machines - Process No.226.10.2
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Solid State Physics Laboratory, Delhi.
Annotation	Indicates the possibility of manufacturing dyes in Red, Blue, Green and Black using indigenous materials.

1508

Title	Blood Capilliary PH Electrodes.NRDC Process No:1017 08 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed by Central Glass and Ceramic Research Institute, Calcutta.
Annotation	Introduction, description, scale of work, materials and equipment needed, and techno-economics given.

1509

Title	Bollard pull Monitor, NRDC Process 900:20-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Develped by Central Institute of Fisheries Technology, Cochin.
Annotation	Introduction, description, specifications, demand, raw materials needed and economics of the plant given.

1510

Title	Bonded Wire Strain Gauge Column type Load Cells.NRDC Process 701:51-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by National Aeronautical Laboratory, Bangalore.
Annotation	Introduction, description, inputs, equipment and fixed capital needed given.

1511

Title	Bore Hole Logger. NRDC Process 700:25-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at National Geophysical Research Institute, Hyderabad.
Annotation	Introduction, description, demand, equipment needed, block diagram and cost given.

1512

Title	Bottling of Coconut Water
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Developed at Regional Research Laboratory (CSIR) Trivandrum-695019.
Annotation	Gives the background, process, cost of equipment, plant parameters, investment, area, manpower and F.P.O requirements.

1513

Title	Broad Spectrum Weedicide - Process No.173.05.2
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Defence Research Lab. (M), Kanpur.
Annotation	Tells about process developed and possibility of making indigenously.

1514

Title	Broad-band Ferrite Resonance Isolator for Microwave Application - NRDC Process No.1074.05.86
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Physical Laboratory (NPL), New Delhi.
Annotation	Describes the technique for broad banding of resonance isolators at microwave frequencies, raw material, equipment etc. required for production are given.

1515

Title	Bubble Chamber Scanner - NRDC Process No.569 9 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Scientific Instruments Organisation (CSIO), Chandigarh.
Annotation	Salient features of the instrument, its uses and demand, raw materials and machinery required for manufacture are given.

1516

Title	Building Blocks (Latoblocks) from Lateritic Soils.NRDC Process No.1016-08-84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed by Structure Engineering Research Centre, Madras.
Annotation	Introduction, process, materials needed, investment and tentative terms for release given.

1517

Title	Building Bricks from Paddy Husk Ash. NRDC Process No.453 06 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Regional Research Laboratory, Jorhat.
Annotation	Gives brief introduction to the process, its advantages, the raw materials needed and the quality of bricks produced.

1518

Title	Built in Storage type Solar Water Heater.NRDC Process No.679 09 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Arid Zone Research Centre, Jodhpur.
Annotation	Introduction, process, work done, test results, raw materials needed and production cost given.

1519

Title	Butyl Octyl Phthalate (Bop).NRDC Process No.70 09 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Process developed at - National Chemical Laboratory, Poona.
Annotation	Details of the developed process and uses given.

1520

Title	Butyl Titanate.NRDC Process No:41 05 1 Reprint No: 300 12 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Pune.
Annotation	Introduction, specifications, and cost economics given.

1521

Title	CTT Technology Digest, January-March 1988
Author	
Publisher	Centre for Technology Transfer, NRDC
Place	New Delhi
Type	Journal
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	
Notes	Volume.IX No.1 Special number containing NRDC Awardees
Annotation	Presents NRDC awards, history, rules & regulations, specimen application form, and instructions for filling up this form. The last chapter contains yearwise list of over 650 awardees since its inception containing Name and address of inventor, Invention and Amount of award from 1961-62 to 1987-88.

1522

Title	Calcium Chromate/Iron Oxide Primer. NRDC Process No. 482 25
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at: CECRI, Karaikudi.
Annotation	Gives the process, raw materials, equipments needed, the advantages, and cost economics.

1523

Title	Calcium Tungstate Blue Phosphor. NRDC Process No:1 12 0 Reprint No:258 11 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Electrochemical Research Institute, Karaikude.
Annotation	Introduction, demand, process, advantages, materials needed, and total capital outlay given.

1524

Title	Camera Exposure Time Controller. NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Brief introduction, demand, description, block diagram, equipment for fabrication, test equipment, and cost of production given.

1525

Title	Capabilities of Public Sector in India for Technology Export
Author	
Publisher	NRDC
Place	New Delhi
Type	Hand Book
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Study conducted under "The transfer & trading in tech scheme" of deptt. of scientific & industrial research.
Annotation	This handbook, the first in a series of four, highlights technologies and expertise available with 62 public sector enterprises in India.Details about the year of establishment, manpower, capital and turnover in 1983-84 of these enterprises also given.

1526

Title	Carbon Methyl Cellulose. NRDC Process No. 583 10 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Process developed at: - Shri Ram Institute for Industrial Research, Delhi.
Annotation	Introduction, brief outline of process, raw materials needed, and uses given.

1527

Title	Carbon Microphone Granules.NRDC Process No 1069 05 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at NPL, New Delhi.
Annotation	Introduction, uses, description, equipment needed, production cost given.

1528

Title	Carbon Remover. NRDC Process No.370 10 3 (reprint of 50 07 1)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Process developed at- Defence Research Laboratory (Materials), Kanpur. Indian Patent No 122325.
Annotation	Explains the necessity for the product, the process developed, the demand, and the trials undergone.

1529

Title	Carbon Thrust Bearing. NRDC Process No.1088 06 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed by NPL, New Delhi-12.
Annotation	Introduction, demand, raw materials needed and economics given.

1530

Title	Carboxin (Vitavax). NRDC Process No:1002 05 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1982
Notes	Developed by National Chemical Laboratory, Pune.
Annotation	Introduction, process, materials and equipment needed, and capital outlay given.

1531

Title	Cardiac Care System
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Developed at Defence Biomedical Laboratory, Ministry of Defence, Bangalore.
Annotation	Introduction, description, materials needed, block diagram and production cost given.

1532

Title	Cardiac Pacemaker. NRDC Process No.437 06 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Electronics and Radar Development Establishment, Bangalore.
Annotation	Gives basic details about the device, work done at the institute, the uses and applications, demand, the equipment needed for fabrication, and cost of production.

1533

Title	Cardiotocograph 701:40-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Central Scientific Instruments Organisation, Chandigarh.
Annotation	Introduction, description, specifications, equipment needed and capital investment given.

1534

Title	Catalogue of Technological Opportunities
Author	
Publisher	NRDC
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Lists the processes available with NRDC for agro based industries, equipments and machinery, chemicals, electrical and electronic industries, medicinal and essential oils, building materials, rural based technologies etc.

1535

Title	Ceramic Colours
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Developed by Central Glass & Ceramic Research Institute, Calcutta.
Annotation	Introduction, demand, process, materials needed and the capital outlay given.

1536

Title	Ceramic Magnets. NRDC Process No.523 5 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Metallurgical Laboratory Jamshedpur.
Annotation	Introduction, applications, demand, raw materials, plant operation and flowchart of process, cost and production, equipments & properties of ceramic magnets given.

1537

Title	Cervical Dilator (Isaptent). NRDC Process No. 797.01.9
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Drug Research Institute(Council of Sceintific and Industrial Research) Lucknow
Annotation	Gives the process, the demand, raw materials and equipment needed for production, and the cost economics.

1538

Title	Chemical Grout. NRDC Process No.36 02 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at MERI, Nasik-4.
Annotation	Introduction, process, materials needed given.

1539

Title	Chlorine Ampoules.NRDC Process No.603 12 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Environmental Engineering Research Institute, Nagpur.
Annotation	Gives details about the process.

1540

Title	Chrome Tan Crystal SB & SBO - NRDC Process No.228 10 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Leather Research Instt. Madras
Annotation	Gives the process of chrome tanning crystals, raw materials and equipment required for manufacture, economic viability etc.

1541

Title	Chromic Oxide.NRDC Process No.798 01 9
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at RRL, (CSIR), Bhubaneswar.
Annotation	Introduction, process, materials needed, suggested economic unit given

1542

Title	Cloth Density Meter. NRDC Process No.409 05 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Scientific Instruments Organisation, Chandigarh.
Annotation	Application, description, specifications and demand given.

1543

Title	Coconut Husk Chipping Machine. NRDC Process No: 231 10 2. Reprint No : 396 12 3
Autnor	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Building Research Institute, Roorkee.
Annotation	Introduction, details, and raw materials needed given.

1544

Title	Compounded Asafoetida.NRDC Process No: 975 11 83
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Developed at the Food Technological Research Institute, Mysore.
Annotation	Introduction, demand, process, raw materials and utilities required, product specification, and plant parameters given.

1545

Title	Copper Plating of Stainless Steel.NRDC Process No.109 11 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Electrotechnical Research Institute Karaikudi.Indian patent 113473.
Annotation	Gives a brief introduction, existing technique, new process, scale of study, material needed and capital outlay.

1546

Title	Corneal Loupe Monocular 10X NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at Instruments Research And Development Establishment, Deharadun.
Annotation	Introduction, description, special features, demand, plant and machinery needed, capital investments and production cost given.

1547

Title	Corrugated Roofing Sheets from Coir Waste or Wood Wool. NRDC Process No:1047.03.86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Process developed at Central Building Research Instt. (CSIR), Roorkee.
Annotation	Gives some background details, preparation, physical properties of the corrugated roofing sheet, and its special features.

1548

Title	Cryo-Probe Machines or Eye Surgery.NRDC Process No.1084 06 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at NPL, (CSIR) New Delhi.
Annotation	Introduction, principle, specifications given.

1549

Title	Decentralised Generating System using Induction Machine - NRDC Process No.1032.04.85
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Indian Institute Of Technology, Delhi.
Annotation	Describes the system, its advantages, components and equipment needed for production.

1550

Title	Decolourising Synthetic Tanning Materials.NRDC Process No.376 11 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CLRI, Madras.
Annotation	Details of the process using synthetic tanning compounds given.

1551

Title	Decuticling of Sesame Seed.NRDC Process No:261 11 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Oil Technological Research Institute, Anantapur.Indian Patent no:110812.
Annotation	Introduction, process, raw materials needed, and investment given.

1552

Title	Dehydrated Castor Oil Fatty Acids.NRDC Process No.979 12 83
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Developed at Regional Research Laboratory, Hyderabad.
Annotation	Introduction, process, raw materials & equipment needed, capital outlay and safety precautions given.

1553

Title	Desoldering Bits for IC Packages & Sockets.NRDC Process No.588 10 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Electronics Engineering Research Institute, Pilani.
Annotation	Introduction, specification, uses, demand, materials needed and techno economics of the project given.

1554

Title	Dialysis Machine - Process No.701 34, 1126-09-87
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CSIO, Chandigarh.
Annotation	Describes the monitoring and control units developed for dialyser, its specifications and requirements for production.

1555

Title	Diethyl Toluamide.NRDC Process No.493 3 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Poona.
Annotation	Details about the process, capital outlay, raw materials, plant & machinery needed, and the uses.

1556

Title	Digital Clock-cum-Thermometer.NRDC Process 701:21-2 (88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Brief introduction, demand, description of clock section, specifications, equipment for fabrication, production, cost and block diagram given.

1557

Title	Digital Colorimeter
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Scientific Instruments Organisation, (CSIR), Chandigarh.
Annotation	Introduction, description, demand, inputs needed and production cost given.

1558

Title	Digital Conductivity Meter .NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Gives description, demand, block diagram, specifications, equipment needed and cost of production.

1559

Title	Digital Corrosion Meter. NRDC Process 701 2-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at Central Electronics Engineering Research Centre (Madras Centre)Pilani.
Annotation	Introduction, demand, description, specifications, equipment, techno-economics and block diagram given.

1560

Title	Digital Instruments-Autobas
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Central Electronics Engineering Research Institute, Pilani.
Annotation	Brief introduction, specifications, equipment, and investment needed given.

1561

Title	Digital Panel Meter. NRDC Process No.513 5 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Aeronautical Laboratory, Bangalore.
Annotation	Introduction, technical specifications, materials needed and techno-economics given.

1562

Title	Digital Readout System
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Scientific Instruments Organisation, (CSIR), Chandigarh.
Annotation	Introduction, description, demand inputs and test equipment needed, and technoeconomics given.

1563

Title	Digital Salinity Tester. NRDC Process 701:6-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Central Scientific Instruments Organisation, Chandigarh
Annotation	Description, demand, specifications, inputs needed and cost of production given.

1564

Title	Digital Tachometer. NRDC Process No.548 7 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CSIO, Chandigarh.
Annotation	Introduction, description, specifications uses, demand, materials needed, production cost given.

1565

Title	Digital pH Meter. NRDC Process No.574 9 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Scientific Instruments Organisation, Chandigarh.
Annotation	Introduction, specification, uses, demand, components and machinery needed and cost of production given.

1566

Title	Dimethylaniline (DMA). NRDC Process No. 564 8 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by NCL, Pune.
Annotation	Introduction, process, materials needed, capital outlay given.

1567

Title	Disperse Dyes. NRDC Process No.30 03 1 Reprint No.470 12 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by NCL, Pune, Indian Patent No.116453.
Annotation	Details about the dyes given.

1568

Title	Dry Packed Green Pepper. NRDC Process No:974 11 83
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Developed at Regional Research Laboratory, Trivandrum.
Annotation	Introduction, demand, process, raw materials and utilities needed, and plant parameters given.

1569

Title	Dry Shampoo. NRDC Process No:968 09 83
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Developed by Defence Research and Development Establishment of Defence, Gwalior.
Annotation	Introduction, demand, materials needed, and capital outlay given.

1570

Title	Dust Mask, NRDC Process No.491 3 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Defence Research Laboratory (Materials), Kanpur.
Annotation	Description, raw materials needed given.

1571

Title	Dye-Penetrants. NRDC Process No:1055-04-86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at CMERI (CSIR) Durgapur.
Annotation	Introduction, demand, materials needed, cost given.

1572

Title	EMF-Voltage/Current Transmitter. NRDC Process No.547 7 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Scientific Instruments Organisation, Channdigarh.
Annotation	Gives schematic diagram of the transmitter, its special features, uses, demand, and techno-economics.

1573

Title	ENT Diagnostic Kit. NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at Instruments Research & Development Establishment, Dehradun.
Annotation	Introduction, demand, raw material, machinery required, capital investment & cost of production given.

1574

Title	Ear Microscope (Monocular Type) Process No.407.05.4
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CSIO, Chandigarh.
Annotation	Gives description of the instrument and indicates possibility of producing indigenously.

1575

Title	Earth Auger. NRDC Process No:422 05 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Designed by RRL, Bhubaneshwar.
Annotation	Details about the Earth Auger given

1576

Title	Eddy Current Precision Wire Tensioner (I.P.No:146773) 701:59-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at National Aeronautical Laboratory, Bangalore.
Annotation	Gives basic details about the device, its specifications, demand, the equipments needed for fabrication, the investment needed and the suppliers.

1577

Title	Edible Glue for joining ready to Wet Sausage Casings - NRDC Process No.293.12.2
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CLRI, Madras.
Annotation	Announces the use of edible glue for utilising the wastage that occurs while processing casings.

1578

Title	Educational Robot. NRDC Process 701:20-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Gives a brief introduction, demand, description, inputs, equipment needed and cost of production.

1579

Title	Reactive Surkhi and Lime reactive Surkhi Mixture. Process No.1059.04.86
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CRRI, Delhi.
Annotation	Gives description, its advantages and material needed for manufacture.

1580

Title	Electrical Micro Balance. NRDC Process No.107 11 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Leather Research Institute Madras, Patent No 1236(pending).
Annotation	Gives details about the device.

1581

Title	Electrical Relay Tester - Process No.402 2 4, Patent No.113744
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Mining Research Station, Dhanbad.
Annotation	Describes the new device developed, materials and components needed for production.

1582

Title	Electrical impedance Plethysmograph. NRDC Process No.459 09 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at AIIMS & IIT, Delhi.
Annotation	Introduction, process, uses, demand, materials needed, production cost given

1583

Title	Electro Spot Testing Kit for Ferrous and Non-ferrous Alloys
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Scientific Instruments Organisation, Chandigarh.
Annotation	Introduction, description, demand, inputs and investment given.

1584

Title	Electrochemical Production of Zinc Powder by direct reduction of Zinc Hydroxide/ Carbonate - Process No.704.12.6
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CECRI, Karaikudi.
Annotation	Describes the process, requiared raw materials etc. for production.

1585

Title	Electrochemical marking of Metals. NRDC Process No. 38-12-3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Process developed at CECRI, Karaikudi,
Annotation	Introduction, process, materials needed, total capital outlay given.

1586

Title	Electrofax Photocopying Machine using sensitised Zinc Oxide Paper. NRDC Process No.1066 06 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at NPL, New Delhi-110012.
Annotation	Introduction, description, materials needed and technoeconomics given.

1587

Title	Electrograhite Carbon Brushes. NRDC Process No.1067 04 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed by NPL, New Delhi.
Annotation	Introduction, specifications, demand, materials needed & technoeconomics given.

1588

Title	Electroless Tin Plating Bath for Printed Circuit - Process No.664.6.6
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Aeronautical Laboratory, Bangalore.
Annotation	Work done at the institute, for electroless plating of Tin for printed circuit boards, requirements for production and costs are given.

1589

Title	Electrolytic Manganese Dioxide - Process No.538 6 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Electrochemical Research Institute, Karaikudi.
Annotation	Describes deposition process from Chloride solution, required raw materials, equipment and investments.

1590

Title	Electrolytic Production of Copper Powder from Copper Sheet. NRDC Process No.314 04 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CECRI, Karaikudi,
Annotation	Details of the process, plant, & machinery, raw materials needed & investment given.

1591

Title	Electrolytic Reduction of P-Nitrophenol to P-Aminophenol - Process No.625.3.6, Patent No.2436/cal/73
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CECRI, Karaikudi.
Annotation	Gives the process, required raw materials and equipment for production.

1592

Title	Electrolytic Reduction of Titanic Sulphate Solution to Titanous Sulphate. NRDC Process No.145 02 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Process developed at CECRI, Karaikudi,
Annotation	Details of the process of Electrolytic reduction of Titanic Sulphate Solution to Titanous Sulphate and total Investment given

1593

Title	Electronic Fold Counter. NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Gives introduction, demand, description, equipment needed, and cost of production along with a block diagram.

1594

Title	Electronic Pain Reliever
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Introduction, demand, description, equipment needed, cost of production and block diagram given.

1595

Title	Electronic Reflux Ratio Timer. NRDC Process No.712 01 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by RRL, Hyderabad.
Annotation	Introduction, specifications, materials needed, production cost given.

1596

Title	Electronic STD Disconnector. NRDC Process 701:28-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandiragh.
Annotation	Introduction, demand, description, equipment needed, cost of production and block diagram given.

1597

Title	Electronic Speed and Distance. NRDC Process 900:21-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Central Institute of Fisheries Technology, Chandigarh.
Annotation	Introduction, description, specifications, scale of investigation, raw materials needed, block diagram and economics given.

1598

Title	Electronic Torque Wrench 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by National Aeronautical Laboratory, Bangalore.
Annotation	Introduction, specification, inputs and investment needed given.

1599

Title	Electronically tuned Multi-channel Booster Amplifier for TV Receivers (Band I & III) - NRDC Process No.993.03.84
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Gives the broad specifications, equipment and components required for manufacture.

1600

Title	Electronics Information Display Board. NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Central Scientific Instruments Organisation, Chandigarh.
Annotation	Introduction, description and inputs needed given.

1601

Title	Electronmicroscope Grids - Process No.639 5 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Indian Institute of Technology, Delhi.
Annotation	Copper and Nickel grids developed at the institute are described and requirements for production given.

1602

Title	Invention Intelligence
Author	
Publisher	NRDC
Place	New Delhi
Type	Journal
Class	Open
Price	Rs. 4
Frequency	Monthly
Year	1990
Notes	ISSN 0970 - 0056, a monthly magazine issued by NRDC.
Annotation	Contain articles on Science & Technology and related topics. Regularly publishes on Award Invention, Technology for villages, new ideas etc.

1603

Title	Electrostatic Air Filter - NRDC Process No.1068-04-86
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Physical Laboratory, (NPL), New Delhi.
Annotation	Gives the details of the filters fabricated, flow sheet, raw material and machinery required etc.

1604

Title	Electrostatic Flock Finishing of Leather - Process No.455 08 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Leather Researh Institute (CLRI), Madras.
Annotation	Describes the technique, required material, machinery, technoeconomics etc.

1605

Title	Environmental Data Acquitsition System
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Institute of Fisheries Technology, Cochin.
Annotation	Introduction, description, inputs, equipment, investment and block diagram given.

1606

Title	Epoxy Glass Copper Clad Laminate - Process No.509.4.5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Defence Research Lab (M), Kanpur.
Annotation	Gives the work done at the institute, required raw materials and equipment for commercial production, also included is the techno-economics of a pilot plant.

1607

Title	Eprom Programmer. NRDC Process 701:23-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Intruduction, demand, description, equipment needed and cost of production along with block diagram given.

1608

Title	Epsom Salt from Salt Bittern. NRDC Process No.1060. 0.4 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed by CSMCRI(CSIR), Bhavnagar.
Annotation	Introduction, process, advantages, materials needed, total project cost& profitability given.

1609

Title	Etch-free Chemical Stripper for Nickel, Copper, Zinc, Cadmium, Silver and Brass Electro deposits on Iron/Steel. NRDC Process No : 341. 06. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at : CECRI, Karaikudi (Tamil Nadu).
Annotation	Introduction, old and new methods, demand, materials needed and the cost estimate given.

1610

Title	Ethephon. NRDC Process No.775. 11. 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Council of Scientific and Industrial Research, Poona.
Annotation	Gives uses of ethephon, the new process developed, raw materials, plant and equipment and capital outlay required.

1611

Title	Ethyl 2 (P-Chlorophenoxy)-2-Methyl Propionate (Clofibrate). NRDC Process No.214. 09. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at NCL, Poona.
Annotation	Introduction, process, raw materials needed given.

1612

Title	Ethylene Diamine (EDA). NRDC Process No:745. 04. 7, Reprint No : 947/10/82
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by NCL, Pune.
Annotation	Introduction, Process, material needed & capital outlay given.

1613

Title	Expandable Polystyrene Beads - NRDC Process No.480.1.5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Chemical Laboratory, NCL, Pune.
Annotation	Describes the process of dispersing Styrene and subsequent polymerization, Preparation of beads and product quality, Raw materials and machinery required for manufacture are also given.

1614

Title	External Demand Pacemaker
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Scientific Instruments Organisation, Chandigarh.
Annotation	Introduction, description, specifications, inputs and investment given.

1615

Title	Extraction of Strychnine and Brucine from Nux Vomica Seeds - Process No.400.2.4
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at RRL, Bhubaneshwar.
Annotation	Gives the process developed, required raw materials and equipment for production, of Strychnine and Brucine.

1616

Title	Fabrication and Reconditioning of Cathode-Ray Tubes and Television Picture Tubes. NRDC Process No.56. 07. 1, Reprint No.1063-04-86
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Physical Laboratory, NPL, New Delhi.
Annotation	Outlines the technique perfected for fabrication, raw materials and equipment needed for production.

1617

Title	Fatty Alcohols. NRDC Process No.277 11. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at RRL, Hyderabad.
Annotation	Introduction, process, materials needed, by products, machinery & capital outlay given.

1618

Title	Fibre Glass Epoxy based Etched Copper. NRDC Process No.472. 12. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Aeronautical Laboratory, Bangalore.
Annotation	Gives technical specifications, uses and applications, demand, materials needed and techno-economics of the plant.

1619

Title	Fibre Reinforced Concrete Manhole Covers. NRDC Process No:1058. 04. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Developed at Structural Engineering Research Centre, Madras.
Annotation	The process is described and investment economics given.

1620

Title	Fibrous Gypsum Plaster Boards. NRDC Process No.318. 04. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Building Research Institute, Roorkee.
Annotation	Introduction, raw materials, scale of investigation and capital investment given.

1621

Title	Film Processing Apparatus. NRDC Process No.620. 3. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at IRP(ICMR) New Delhi.
Annotation	Introduction, description, uses, materials needed & techno-economics given.

1622

Title	Fire Resisting Black Paint. NRDC Process No.558. 8. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at DRL (Materials), Kanpur-4.
Annotation	Introduction, raw materials needed & capital outlay given.

1623

Title	Fire Retardant Paints. NRDC Process No:174. 05 .2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Building Research Institute, Roorkee.
Annotation	Gives introduction, consumer acceptability report, raw materials, flow sheet, costing.

1624

Title	Fire Retardent PVC. NRDC Process No.1054. 04. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at I.I.Sc, Bangalore.
Annotation	Introduction, description, materials needed, production cost given.

1625

Title	First Aid Chemical Foam Extinguisher (Upright Operated). NRDC Process No.1188. 3. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CBRI Roorkee.
Annotation	Description, materials needed & economics given.

1626

Title	Flash Distillation Process of Desalination. NRDC Process No.742. 04. 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CSMCRI, Bhavnagar.
Annotation	Introduction, process, estimated cost given.

1627

Title	Flavour Blends for Orange and Lemon-Lime Carbonated Beverage. NRDC Process No:898. 01. 81 Reprint No:1014-07-84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed at Central Food Technological Research Institute, Mysore.
Annotation	Introduction, demand, process, specifications, materials needed, and plant parameters given.

1628

Title	Focometer. NRDC Process No : 535. 6. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Scientific Instruments Organisation, (CSIO), Chandigarh.
Annotation	Description, specifications, demand, equipment required given.

1629

Title	Foil Type Resistance Strain Gauge. NRDC Process 701:9-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at National Aeronautical Laboratory, Bangalore.
Annotation	Introduction, block diagram, demand, description, inputs and techno economics given.

1630

Title	Frequency to Current Convertor. NRDC Process No.710. 12 . 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Institute for Design of Electrical Measuring Instruments, Bombay.
Annotation	Introduction, specifications demand, materials needed, production cost given.

1631

Title	Fruit Plucker. NRDC Process No.313.. 04 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	A patented invention.
Annotation	Introduction, improvements, materials needed, investment & production cost given.

1632

Title	Fungal Acid Protease. NRDC Process No.501. 4. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed By Indian Institute of Experimental Medicine, Calcutta-32.
Annotation	Introduction, process, demand, machinery needed, techno-economics given.

1633

Title	Garlic Powder. NRDC Process No:873 08. 80 Reprint No:1023 09 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed by Central Food Technological Research Institute, Mysore.
Annotation	Introduction, process, exports, materials needed per day and plant parameters given.

1634

Title	Gas Lighter. NRDC Process No.1087. 06 . 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at NPL, (CSIR) New Delhi.
Annotation	Introduction, process, uses, terms for release of know-how given.

1635

Title	Gelatin Optical Filters. NRDC Process No.506. 4. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Process developed at IIEM, Calcutta.
Annotation	Introduction, demand, process, machinery & equipment needed & techno-economics given.

1636

Title	Glass Apparatus for specific Surface Determination of Particulate Material and Coarse Particulate Dust. NRDC Process No. 629. 5. 6.
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Electrochemical Research Institute, Karaikudi-623006.
Annotation	Gives the applications of the device, components and raw materials, equipment needed for fabrication. also gives the economics of an unit.

1637

Title	Glass Bonded Mica. NRDC Process No.713.01.7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Glass and Ceramic Research Institute (CSIR),Calcutta.
Annotation	Gives basic information, its properties, uses, its typical applications, demand, the raw material and equipment needed for production and the economics of the plant.

1638

Title	Glyoxalic Acid. NRDC Process No.755. 08. 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Electrochemcial Research Institute, Karaikudi.Indian Patent No 132716.
Annotation	Introduction, demand, process, raw material and machinery needed and economics given.

1639

Title	Hand Lay-up Technique for Moulding of Banana Fabric Polymer Composite Products. NRDC Process No:1042.12. 85
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Developed at Regional Research Laboratory (CSIR), Trivandrum.
Annotation	Introduction, demand, process, materials and equipment needed, plant parameters

1640

Title	High Alumina Refractories - Process No.7.77.12.7, Patent No.108703
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Glass & Ceramic Research Institute, CGCRI, Calcutta.
Annotation	Describes the process of making Alumina bricks, their properties, required material and equipment for manufacture.

1641

Title	High Current Potentiostate - NRDC Process No.780.01.8
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Aeronautical Laboratory, Bangalore.
Annotation	Describes the design, uses, specifications of potentiostat and gives the capital investment required for manufacture.

1642

Title	High Power Coaxial Triodes 5 KW and 12.5 KW (I P No.1430167) NRDC Process No. 701:67-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at Central Electronic Engineering Research Institute, Pilani.
Annotation	Brief introduction, description, general characteristics, equipment & materials needed and techno economies given.

1643

Title	High Power HE-NE Laser (75 MW at 6328A) - NRDC Process No.647. 5. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Solid State Physics Laboratory, Delhi.
Annotation	Gives the specifications, use, raw material and equipment required for production of He-Ne lase of 75 Milli Watt Power.

1644

Title	High Protein Flour from Cotton Seed. NRDC Process No.6. 12. 0
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by Regional Research Laboratory, Hyderabad.
Annotation	Introduction, process, materials needed & total capital outlay given.

1645

Title	High Pungent Fraction and Color from Indian Chilli Oleresin. NRDC Process No:989. 02. 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed at Regional Research Laboratory
Annotation	Introduction, demand, process, materials, and utilities required per day, and plant parameters given.

1646

Title	High Slag Masonary Cement. NRDC Process No.337. 06. 3.
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Building Research Institute, Roorkee.
Annotation	Gives the properties, estimated demand, raw materials needed.

1647

Title	High Speed Gear for Bicycle - Process No.197.06.2, Patent No.134835
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at RRL, Jorhat.
Annotation	Gives the new design developed and requirement for manufacture.

1648

Title	High Strength Plaster of Paris (Alpha Plaster) from Marine Gypsum - Process No.1033.05.85
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CSMCRI, Bhavnagar.
Annotation	Gives the process physical and mechanical properties of the product, required raw material and equipment for production.

1649

Title	High Voltage Ceramic Capacitors - NRDC Process No.410.05. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Physical Laboratory (NPL), New Delhi.
Annotation	Gives the process developed for the manufacture of ceramic capacitors of high-k, medium-k and low-k values used in TV receivers etc. The Characteristics, raw material and equipment required for manufacture are also given.

1650

Title	High Voltage Regulated Power Supply - NRDC Process No.536. 6. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Scientific Instruments Organisation, Chandigarh
Annotation	Specifications, components and machinery required for production are given for the manufacture of High Voltage Power Supply.

1651

Title	Hundred Channel Data Logging System - NRDC Process No.738. 03. 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Aeronautical Laboratory, Bangalore.
Annotation	Describes the system, its specifications, raw materials required for production etc.

1652

Title	Hydraulic Prop with a Load indicating Device - NRDC Process No.428. 05. 4, Indian Patent No.124951
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Mining Research Station, Dhanbad.
Annotation	Gives the new design developed, its uses, raw materials required for fabrication for Hydraulic prop.

1653

Title	Hydrobar - C. NRDC Process No.100. 11 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Leather Research Institute, CLRI, Madras.
Annotation	Announces a process for manufacture, Cost and required materials given.

1654

Title	Hypospray Jet Injector. NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at Instruments Research And Development Establishment, Dehradun.
Annotation	Introduction, uses, demand, inputs, equipment and techno economics given.

1655

Title	I-Arabinose C.P. NRDC Process No.121. 12. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by NCL, Pune.
Annotation	Introduction, process, materials needed, cost given.

1656

Title	INSTOL. NRDC Process No:255. 10. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Sugar Institute, Kanpur.Indian patent no:110643
Annotation	Introduction, demand, materials, plant & machinery, and capital outlay given.

1657

Title	Ice Shaving Cream. NRDC Process No : 484. 3. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by National Physical Laboratory, New Delhi-12.
Annotation	Introduction, demand, description, specifications, production cost given.

1658

Title	In-Situ Temperature and Salinity Meter
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by National Institute of Oceanography, (CSIR) Dona Paula, Goa.
Annotation	Introduction, description, specification, inputs, test instrument, equipment, investment given.

1659

Title	Indian Technologies for Developing Countries - NRDC as a Vehicle for Export
Author	
Publisher	NRDC
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Publication briefly describes the work done by NRDC in carrying technology and services to the developing countries like Burma & Nepal and strategies for future co-operation. Also gives the process available with NRDC covering diverse discilines.

1660

Title	Industrial Sewing Machine. NRDC Process No:1121. 11. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Developed at Machanical Engineering Research and Development Organisation, Ludhiana.
Annotation	Introduction, description, specifications plant & machinery, capital investment, and terms for releasing know-how given.

1661

Title	Industrial Timer. NRDC Process 701:32-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Introduction, demand, description, equipment needed, cost of production and a block flow timer.

1662

Title	Inhibitor Suitable for Picking of Steels in Hydrochloric Acid Solutions at Room Temperature 1080-06-86. NRDC Process No : 1080. 06. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at National Metallurgical Laboratory, (CSIR), Jamshedpur.
Annotation	Introduction process, demand & investment given.

1663

Title	Inorganic Bonded Micanite - Process No.605. 11. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CGCRI, Calcutta.
Annotation	Gives the process, typical properties, required material and equipment for production.

1664

Title	Instant Gel. NRDC Process No:349. 07. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Explosive Research & Development Laboratory, Pune.
Annotation	Introduction, advantages, materials needed and capital outlay given.

1665

Title	Instant Mango Pickle and Lime Pickle. NRDC Process No:1116.01.87
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Developed at Central Food Technological Research Institute, Mysore-570013.
Annotation	Gives a brief introduction, process of manufacture, material inputs and utilities and the plant parameters.

1666

Title	Integrated Processing of Sesame See NRDC Process No:682. 09. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Food & Technological Research Institute, Mysore.
Annotation	Introduction, process, plant & machinery needed, and capital outlay given.

1667

Title	Interference Objectives. NRDC Process No.621. 3. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at CSIO Chandigarh.
Annotation	Introduction, specifications, demand, materials needed and techno economic of the project.

1668

Title	Interferometric Fibre Stapler. NRDC Process No.649. 5. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by Cotton Technological Research Laboratory, Bombay.
Annotation	

1669

Title	Iron Silicon Magnesium Alloys. NRDC Processes No.685. 09. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at NML, Jamshedpur.
Annotation	Introduction, work done, materials needed, capital investment & cost of production given.

1670

Title	Labour Intensive Hydraulic Building Block Machine. NRDC Process No.1013. 07. 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed at Structural & Mechanical Engineering Research & Development Organisation, Madras.
Annotation	Introduction, description, demand, material and capital needed, cost economics and terms for knowhow transfer given.

1671

Title	Lamp Examination with Bull's Eye Condenser. NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Deini
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at Instruments Research And Development Establishment, Dehradun.
Annotation	Introduction, description, special features, demand, materials, plant and machinery needed, capital investment and cost of production given.

1672

Title	Lightning Flash Counter. NRDC Process No.389. 1. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by Prof. Manoranjan Datta, F-6, First Road, H.B.Town, Sodepur, 24-Parganas, West Bangal.
Annotation	Details and description given.

1673

Title	Linear 10CO Trainer. NRDC Process 701:24-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Gives brief introduction, demand, description, inputs, test equipment, cost of production and block diagram.

1674

Title	Linseed Oil Emulsion Paint. NRDC Process No.156. 04. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by NCL, Pune, Indian Patent No.117403.
Annotation	Introduction, process, materials needed, capital outlay given.

1675

Title	Luminescent Grade Zinc/Sulphide. NRDC Process No:470. 11. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Electrochemical Research Institute, Karaikudi.
Annotation	Introduction, old and new processes, advantages, materials, plant and machinery needed and suggested economic unit given.

1676

Title	MG-Inoculant Briquettes - Process No.693. 10. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at NML, Jamshedpur.
Annotation	Describes the process, its advantages, and cost-benefits.

1677

Title	Magnetic Particle Clutch - Process No.766.09.7
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Mechanical Engineering R&D Organisation, Pune.
Annotation	Describes the design, specifications, and required material and machinery for manufacture.

1678

Title	Maleic Hydrazide. NRDC Process No.570. 9. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Process developed at National Chemical Laboratory, Pune
Annotation	Gives uses, details of NCL process, raw materials, plant & equipment required and also the capital outlay.

1679

Title	Manual Arc Welding Electrode Holder. NRDC Process No.521. 5. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Mechanical Engineering Research Institute, Durgapur-9.
Annotation	Details, demand, pattern, advantages, specifications, materials needed and economics of the project given

1680

Title	Manual Scaffold Hoist. NRDC Process No: 47. 06. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Building Research Insititute, Roorkee.
Annotation	Introduction, details, and cost given.

1681

Title	Manufacture of Aluminium Alloy Conductor - PMZ. NRDC Process No.377. 11. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by NML, Jamshedpur.
Annotation	Introduction, process, consumer acceptability, tests and estimated capital investment given.

1682

Title	Manufacture of Morpholine from Diethanolamine - Process No.310. 02. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at NCL, Pune.
Annotation	Describes the process and required raw materials etc. for production.

1683

Title	Manufacture of White Oils. NRDC Process No.346. 07. 3.
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Indian Institute of Petroleum, Dehradun (U.P.)
Annotation	Gives a brief introduction, types, raw materials needed, bye-products, scope and applications, the outlines of the process and the economics of production.

1684

Title	Manufacture of MATT Glazed Ceramic Tiles for Flooring & Facing. NRDC Process No.1128-09-87
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Developed at Central Glass & Ceramic Research Institute (CSIR), Khurja Centre, Khurja.
Annotation	Given an introduction, demand potential, process, block diagram, plant & machinery, raw material, capital investment.

1685

Title	Mechanized Casting on Cored Hollow Concrete Units. NRDC Process No.368. 11. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Building Research Institute, Roorkee.
Annotation	Introduction, process and equipment needed given.

1686

Title	Metallic Carbon Block & Brushes. NRDC Process No.1066. 04. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at NPL, New Delhi.
Annotation	Introduction, process, materials needed given.

1687

Title	Methaqualone and Methaqualone Hydrochloride. NRDC Process No.769. 09 .7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Regional Research Laboratory, Bhubaneshwar.
Annotation	Introduction, process, raw materials, equipment and economics of the unit given.

1688

Title	Method of making Copper (CU), Silver (AG) and Chloride (CL) Sensitive Electrodes.NRDC Process No.927-12-01
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Electro-chemical Reseach Institute, Karaikudi.
Annotation	Introduction, demand, process, materials needed, investment given.

1689

Title	Methyl Anthranilate and Ethyl Anthranilate. NRDC Process No.773. 11. 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at RRL, (CSIR), Bhubaneswar(Orissa).
Annotation	Introduction, process, specifications, materials needed & investment given.

1690

Title	Mica Based Textured Coating. NRDC Process No:999. 04. 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed by Central Glass and Ceramic Research Institute, (CSIR), Calcutta.
Annotation	Introduction, process, demand, raw materials & equipment needed and capital outlay given.

1691

Title	Michael Multipurpose Machine (Diamond Polisher). NRDC Process No.295. 02. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Process developed by Michael K.T., East Fort, Trichur, Kerala.
Annotation	Details of the machine given.

1692

Title	Microcrystalline Cellulose. NRDC Process No.61. 08. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at RRL, Jorhat.
Annotation	Introduction, process, materials needed, production cost given.

1693

Title	Microfilm Printer. NRDC Process No.224. 10. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Solid State Physics Laboratory, Delhi-7.
Annotation	Details about the equipment and production cost given.

1694

Title	Microfilters
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at NCL, Pune.
Annotation	Gives a new process developed to manufacture microfilters, major equipment required and demand for the product.

1695

Title	Microprocessor Based Telephone Dial Tester. NRDC Process: 701:19-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Introduction, demand, description, specifications, equipment required for fabrication and cost of production given.

1696

Title	Microprocessor Trainer Kit. NRDC Process: 701:29-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Gives introduction, demand, description, equipment needed, production cost and block diagram.

1697

Title	Microwave Components. NRDC Process No.1082. 06. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at NPL, New Delhi.
Annotation	Introduction, description, specifications, plant parameters given.

1698

Title	Midget Electrodes. NRDC Process No.1094. 07. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at NPL, New Delhi.
Annotation	Introduction, process, specifications and plant parameters given.

1699

Title	Miniature (Portable) Go-Nogo Integrated Circuit Tester - Process No.714.01.7
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Aeronautical Laboratory, Bangalore.
Annotation	Gives the salient features, specifications, required material and equipment for production of an IC Tester.

1700

Title	Minicardioscope - NRDC Process 701:42-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Central Scientific Instruments Organisation, Chandigarh.
Annotation	Introduction specification and capital required given.

1701

Title	Mobility Aid for Blind. NRDC Process No.1076. 05. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed by NPL, New Delhi.
Annotation	Details of the Ultrasonic Blind Aid to facilitate movement, materials needed, production cost given.

1702

Title	Modified Cutch Extract. NRDC Process No.237. 10. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CLIR, Madras.
Annotation	Introduction, process, capacity, and materials needed given.

1703

Title	Modified Red Lead Primer - NRDC Process No.2 9. 02. 1, Reprint No.392-12 -3
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Defence Research Laboratory (M), Kanpur.
Annotation	Gives the advantages, raw materials and machinery required for its manufacture.

1704

Title	Monoethyl Aniline. NRDC Process No.249. 10. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at NCL, Pune.
Annotation	Introduction, process, materials needed given.

1705

Title	Mud Thinner for Deep Drilling - Process No.103. 11. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CLRI, Madras.
Annotation	Describes the product and requirements for commercial production.

1706

Title	Multipurpose Solvent Extractor
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Physical Laboratory, New Delhi.
Annotation	Introduction, description, uses, demand, raw materials & components needed & techno economics given.

1707

Title	Multipurpose Solvent Extractor - Process No.651. 05. 6, Reprint No.1062-04-86
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at NPL, Delhi.
Annotation	Describes device, required material and equipment for production and the techno-economics.

1708

Title	Mustard Powder from Mustard Seeds by Improved Process. NRDC Process No:1019. 09. 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed by Central Food Technological Research Institute, Mysore.
Annotation	Introduction, process, materials and utilities required per day, product specifications and plant parameters given.

1709

Title	NML-Alnama Lead Smelting - Process No.691.10.6
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at NML, Jamshedpur.
Annotation	Desccribes the process, required raw materials and machinery etc.

1710

Title	Necelone. NRDC Process No.1049. 04. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at National Chemical Laboratory, Pune.
Annotation	Process, equipment needed, tentative cost estimates, fixed & working capital given.

1711

Title	Neuro Muscular Block Monitor. NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Introduction, description, demand, materials needed, test equipment and production cost given.

1712

Title	New Initiatory Composition. NRDC Process No.353. 08. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by ERDL, Ministry Of Defence, Pune.
Annotation	Introduction, advantages, process, materials needed & capital outlay given.

1713

Title	Non-fade ECG Monitor System. NRDC Process No. 1100.11.86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Developed at Central Scientific Organisation, Chandigarh.
Annotation	Gives brief details of the system, method of operation, scale of investigation, material requirements, equipment and investment required and the employment potential.

1714

Title	Ophthalmoscope
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Central Scientific Instruments Organisation, (CSIR), Chandigarh.
Annotation	Introduction, specification, equipment and inputs needed, demand and investment given.

1715

Title	Optical Printer - Process No.593.11.5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Indian Registry of Pathology, ICMR, Delhi.
Annotation	Describes the process, advantages and materials required for production.

1716

Title	Optical System of Facsimile Terminal Equipment. NRDC Process No:748. 05. 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Scientific Instruments Organisation, Chandigarh.
Annotation	Introduction, description, process flow sheet, demand, materials needed, and economics given.

1717

Title	Over Head Projector. NRDC Process No:560. 9. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Indian Institute of Technology, New Delhi.
Annotation	Introduction, description, components and raw materials needed given.

1718

Title	Paddy Husk Combustor-cum-Heat Exchanger - Process No.1036.08.85, Reprint No.1096.08.86
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CMERI, Durgapur and CFTRI, Mysore.
Annotation	Gives the details of the unit, equipment for fabrication etc.

1719

Title	Paint Stripper. NRDC Process No. 565. 9. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at: CERI, Karaikudi. Indian Patent no. 1065/cal/73.
Annotation	Brief introduction, process, raw materials & equipment needed, economics and capital investment given.

1720

Title	Palatable Isapgol Laxative. NRDC Process No.1124-04-87
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Developed at Central Drug Research Institute (CSIR), Lucknow.
Annotation	Raw materials, equipment needed & capital investment given

1721

Title	Papain & Papain Concentrate. NRDC Process No:971. 11. 83
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Developed at Regional Research Laboratory, Hyderabad.
Annotation	Introduction, demand, process, and raw materials needed given.

1722

Title	Papain(IP) & Papain Concentrate from Papaya
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Developed by Central Food Technological Research Institute, Mysore.
Annotation	Introduction, process, materials needed per day, specifications and capital investment given.

1723

Title	Patient Monitor System. NRDC Process No.433. 06. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Electronics & Radar Development Establishment, Bangalore.
Annotation	Introduction, description, special features, uses & demand , materials needed and production cost given.

1724

Title	Pectin(Distilled) and Citrates from Lime Wastes. NRDC Process No:978. 12. 83
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Developed by Central Food Technological Research Institute, Mysore.
Annotation	Introduction, process, materials and energy requirements and plant parameters given.

1725

Title	Phenyl Acetic Acid. NRDC Process No:144. 02. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Pune.
Annotation	Introduction, process, materials needed given.

1726

Title	Phonocardiograph - NRDC Process No.449. 08 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Electronics & Radar Development Establishment, Bangalore.
Annotation	Describes the features of the equipment, its uses, raw materials and machinery required for manufacture.

1727

Title	Photosensitive Lacquer - Process No.152.03.2, Reprint.444.07.4, Patent No.114970
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at DRL (M), Kanpur.
Annotation	Describes the resin lacquer and the material needed for its production.

1728

Title	Piezoelectric Materials. NRDC Process No.1083. 06. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at NPL (CSIR), New Delhi.
Annotation	Introduction, process, specification and other inputs needed given.

1729

Title	Piezoelectric Vibration Pickups (Accelerometer). NRDC Process No.642. 5. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Electronics Engineering Research Institute, Pilani.
Annotation	Introduction, description, uses, demand, materials needed and technoeconomics of the product given.

1730

Title	Polarising Microscore. NRDC Process No.729. 02. 7.Reprint 115 .12. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Scientific Instrument Organistion, Chandigarh.
Annotation	Introduction, demand, raw materials and components needed and cost given.

1731

Title	Polyester Resins. NRDC Process No.507. 4. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Process developed at SRIIR, Delhi.
Annotation	Introduction, process, applications, materials needed, & capital outlay given.

1732

Title	Polyurethane Coatings. NRDC Process No.28. 01. 1.Reprint No.289 12 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Poona.
Annotation	Describes the process developed and the uses of polyurethane coatings.

1733

Title	Porosimeter
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by National Geophysical Research Institute, Hyderabad.
Annotation	Introduction, description, uses, demand, materials needed, and production cost given.

1734

Title	Porous FRP Tubes. NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at National Aeronautical Laboratory, Bangalore.
Annotation	Introduction, description, inputs and plant parameters given.

1735

Title	Portable Acidity Testing Kit for Transformer Oil - NRDC Process No.450. 0.8 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Power Research Instt., Bangalore.
Annotation	Describes the process and design of the kit, its advantages etc.

1736

Title	Portable Oxy-Gas Cutting Machine. NRDC Process No: 432 .06. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Mechanical Engineering Research Institute, Durgapur.
Annotation	Introduction, advantages, description, specifications and cost given.

1737

Title	Portable Type Warp Load Meter. NRDC Process No.477. 12. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Institute of Fisheries Technology, Cochin.
Annotation	Introduction, description, demand, uses, materials needed and production costs given.

1738

Title	Portland Cement Coating for Steel. NRDC Process No. 705. 12. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Process developed at:-CECRI (CSIR), Karaikudi-623005.
Annotation	Gives the investment needed and the uses.

1739

Title	Potassium Schoenite from Marine Mixed Salt. NRDC Process No. 60. 08. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Salt and Marine Chemicals Research Institute, Bhavnagar.
Annotation	Explains how potassium schoenite is recovered from mixed salt, and why it is preferred to other potassium salts.

1740

Title	Potassium Chloride, Epsom Salt and Sodium Sulphate from Mixed Salt. NRDC Process No. 587. 10. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Salt and Marine Chemicals Research Institute, Bhavnagar.
Annotation	Scope, process, raw materials needed & cost estimates given.

1741

Title	Potassium Schoenite from Marine Mixed Salt. NRDC Process No.60. 08. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Salt & Marine Chemical Research Institute, Bhavnagar.
Annotation	Explains the process of recovering potassium schoenite from mixed salt.

1742

Title	Potassium and Sodium Bromate. NRDC Process No.65. 07. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Process developed at CECRI, Karaikudi (Tamilnadu).
Annotation	Introduction, process, materials & machinery needed & capital investment given.

1743

Title	Power Trowel. NRDC Process No.39. 05. 1, Reprint No.394. 12. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CBRI, Roorkee.
Annotation	Details about Power Trowel given

1744

Title	Precipitated Silica. NRDC Process No.425. 05. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CSMCRI, Bhavnagar.
Annotation	Introduction, process, specifications, materials needed & investment given.

1745

Title	Precision 4 1/2 Digital Thermometer. NRDC Process No.1106. 11. 86 (For type K and type R Thermo - Couples)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Developed at Central Electronics Engineering Research Institute, Pilani.
Annotation	Gives the specifications, raw materials, equipment, and capital outlay required, and the uses.

1746

Title	Preparation of Electro-Organic Coating Over Mild Steel and Aluminium Articles-Process No.727. 02. 7, Reprint No.154. 04. 2, Patent No.129510, 132896.
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CECRI, Karaikudi, other Patent No.s 130472, 132089, 132715.
Annotation	Describes the Lab.scale process. Required raw materials and equipment for production and necessary investments are also indicated.

1747

Title	Preparation of Tolualdehydes by the Oxidation of Ortho Meta, Para Xylene and Mixed Xylenes - Process No.108. 11. 1, Patent No.66176 & 62319
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CECRI, Karaikudi.
Annotation	Describes the process, required raw materials and equipment for production.

1748

Title	Pressure Transducer - NRDC Process No.549. 7. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Water and Power Research Station, Pune.
Annotation	Describes the design of the pressure transducers with flush mounted diaphrames, their uses, raw materials and machinery required for manufacture.

1749

Title	Process for Manufacturing Pre-cast Ferro-Cement Bins. NRDC Process No:763. 09. 7 Reprint No:987. 02. 84
Author	
Publisher	
Place	
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed at Structural Engineering Research Centre, Roorkee.
Annotation	Introduction, process, advantages and cost estimates given.

1750

Title	Process for improvement of strength of Asbestos-Cement Products from Blends of Chrysotile and Amphibole Fibres and Normal Portland Cement.
Author	
Publisher	NRDC
Place	New Delhi
Type	Guide
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Development by Central Building Research Institute, Roorkee.
Annotation	Describes the processes, its novel features, scope of application, raw materials needed, the cost,and the results of factory trials on the normal and strengthened asbestos and cement products.

1751

Title	Process for improvements in or relating to Screed Vibrator for Compaction in Concemed, NRDC Process No.1057. 04. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed by CRRI, New Delhi-20.
Annotation	Introduction, uses, process, demand given.

1752

Title	Production of Bi-metallic Powders (Copper Lead & Leaded Bronze). NRDC Process No :372. 10. 3. Reprint of 170 05 2
Author	
Publisher	NRDC
Place	
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by National Metallurgical Laboratory, Jamshedpur.
Annotation	Introduction, range of specifications, process scope and field of manufacture, materials and equipment needed, location of plant & industrial estates, process details & projects engineering given.

1753

Title	Production of Carbon Tissue. NRDC Process No.190. 06. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at RRL, Jorhat, Assam.
Annotation	Introduction, process, materials needed & capital investment given.

1754

Title	Production of Extra-fine Zinc Dust-Process No.316. 04. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at NML, Jamshedpur.
Annotation	Describes the process, product specifications, required raw material and equipment for production.

1755

Title	Production of Ferrovanadium from Vanadium Ferrous Iron Ore by Electro Smelting. NRDC Process No.660 6 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Metallurgical Laboratory, Jamshedpur.
Annotation	Introduction, demand, process, scale of work, raw materials needed and cost estimate given.

1756

Title	Production of High Alumina Aggregate SC-54-(86% al2o3) by new technique of Sintering. NRDC Process No : 500:45, 1130. 09. 87
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Developed by CGCRI (CSIR) Calcutta.
Annotation	Introduction, demand, equipment needed and approximate predesign cost estimate given.

1757

Title	Production of Iron Powder from Millscale by direct reduction technique. NRDC Process No.123. 12. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Process developed at CECRI, Karaikudi (Tamil Nadu).
Annotation	Introduction, process, demand, materials needed investment given.

1758

Title	Production of Paper Twine. NRDC Process No:196. 06. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Regional Research Laboratory, Jorhat.
Annotation	Introduction, process, materials needed and capital investment given.

1759

Title	Production of Potassium and Ammonium Perchlorates. NRDC Process No:533. 6. 5
Author	
Publisher	NRDC
Place	
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Electrochemical Research Institute, Karaikudi.
Annotation	Gives introduction, details of the processes and cost of pilot plant.

1760

Title	Production of Sodium Chlorate using lead Dioxide Anodes - NRDC Process No.468.01.4, Indian Patent No.124214
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Electro Chemical Research Instt., Kiraikudi.
Annotation	Gives demand for Sodium Chlorate in 1970's, process developed by using lead dioxide anodes, raw materials required, plant and machinery and suggested economic unit.

1761

Title	Project Plan for Papua New Guinea
Author	
Publisher	NRDC
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Brought out by Technology Export Cell.
Annotation	Gives the salient features of the country profile and attempts to identify new technologies that could be considered appropriate for the country taking into consideration the local raw materials, imports and exports and other available information.

1762

Title	Projection attachment to Vickers Hardness Tester
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Scientific Instruments Organisation, Chandigarh.
Annotation	Gives introduction, description, equipment needed and block diagram.

1763

Title	Proven Technologies from NRDC of India
Author	
Publisher	NRDC
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	
Annotation	Lists the successfully commercialised technologies of NRDC in pesticides and agro-chemicals, food and beverages, building materials and techniques, metallurgy and minerals, machinery and electronics.

1764

Title	Pusa Seeder. NRDC Process No.93. 09. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Designed by IARI, New Delhi Indian Patent No. 115844.
Annotation	Details about the PUSA SEEDER given.

1765

Title	ROM (Read Only Memory) based Multipoint Temperature Indicator
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Developed at Central Scientific Instruments Organisation, (CSIR) Chandigarh.
Annotation	Gives background details, specifications of the process, raw materials, and equipment required.

1766

TitleTitle	Radio Sonde Thermistors. NRDC Process No.307. 02 .3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Poona.
Annotation	Introduction, process, materials needed given.

1767

Title	Radio frequency Generator. NRDC Process No.512. 5. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Regional Research Laboratory, Bhubaneshwar.
Annotation	Introduction, advantages, specifications, components needed and investments given.

1768

Title	Recovery of Paraffin Wax from Spent fuller Earth
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by Regional Research Laboratory, Jorhat.
Annotation	Introduction, process, materials needed and investment given.

1769

Title	Recording Stack Smoke Meter
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Scientific Instruments Organisation, (CSIR), Chandigarh.
Annotation	Introduction, description, specifications, demand, inputs and cost of production given.

1770

Title	Recovery of Zinc Metal from Galvanizers Dross by Atmospheric Distillation. NRDC Process No.489. 335
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Metallurgical Laboratory, Jamshedpur.
Annotation	Gives details about the processes of zinc recovery, the atmospheric process in particular, the raw materials needed and the cost economics of an unit.

1771

Title	Red Mud Zinc Chromate Primer & Red. Mud Barium Potassium/Barium Chromate. NRDC Process No 386. 1. 2. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Process developed at:- Defence Research Laboratory (Materials), Kanpur.
Annotation	Details about the primers and the suggested alternatives, their applications, capital outlay and cost of production and the main items of plant & machinery.

1772

Title	Refined Cocoa Mass. NRDC Process No: 994. 03. 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Food Technological Research Institute, Mysore.
Annotation	Introduction, process, materials and energy required per day and investment given.

1773

Title	Regeneration of used Lubrication Oils. NRDC Process No:192. 06. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Regional Research Laboratory, Jorhat.
Annotation	Introduction and details of the process given.

1774

Title	Regenerative Pump. NRDC Process No.758. 09. 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CMERI, Durgapur.
Annotation	Introduction, description, advantages, raw materials and equipment needed, predesign cost estimate given.

1775

Title	Remote indicating Hydraulic Load. NRDC Process No.146. 02. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Mining Research Station, Dhanbad, Indian Patent No 104524.
Annotation	Introduction, process, scope of application, raw materials needed given.

1776

Title	Retractable Anchoring and Locking Device for Freight Containers.
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Indian Patent No 131472 Developed at Research Designs and Standards Organisation, Lucknow.
Annotation	Introduction, demand, description, general details given.

1777

Title	Reverse Osmosis Process for Desalination of Saline Water. NRDC Process No. 7. 12 .0. Indian Patent Nos.125356 & 125358
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Salt and Marine Chemicals Research Institute, Bhavnagar.
Annotation	Introduction, description, advantage, plant and machinery and raw materials needed and capital outlay given.

1778

Title	Rotillor. NRDC Process No: 473. 12. Reprint No: 591. 10. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Mech. Engineering & Research & Development Orgn. Poona & Central Road Research Institute, New Delhi.
Annotation	Introduction, demand pattern, features and specifications of the machine, materials needed and cost estimates given.

1779

Title	Rotor Induction Water current Meter. NRDC Process No : 1090. 06. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at National Institute of Oceanography, (CSIR), Dona Puala, Goa.
Annotation	Introduction, description, specifications, raw materials needed & production cost given.

1780

Title	Running Motor Winding Temperature indicator. NRDC Process No.188. 06. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CMERI, Durgapur.
Annotation	Introduction, specifications, demand, materials needed & production cost given.

1781

Title	Rural Technologies Promoted by NRDC
Author	
Publisher	NRDC
Place	
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives the rural technologies developed by NRDC like water filter candle, fire proof thatched roof, low cost latrine, leaf cup making machine, paper slate, cattle lick salt, life extended coconut thatch etc. and its manufactures.

1782

Title	Rust Converting Composition. NRDC Process No.703. 12. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Electro chemical Researach Institute, Karaikudi.
Annotation	Introduction and details of the process given.

1783

Title	Rust Preventing Composition. NRDC Process No.692. 10. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Electro Chemical Research Institute, CSIR, Karaikudi.
Annotation	Gives the details of the process developed, specific advantages, demand, raw materials, plant & machinery needed, and the capital outlay for the project.

1784

Title	S-Band Signal Generator for TVRO and RN Terminal Testing
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Research Department, All India Radio, New Delhi.
Annotation	Introduction, description, various parts of the device, inputs, cost of production and block diagram of local oscillator chain.

1785

Title	SCR Control Unit for Automated Cathodic and Anodic Protection
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Electro chemical Research Institute, Karaikudi.
Annotation	Gives introduction, description, demand, inputs investment and cost of production.

1786

Title	Sealing Compound. NRDC Process No.175. 05. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Jiwaji Research Laboratory, Detachment, Defence Research Lab (Materials) Gwalior.
Annotation	Introduction, raw materials needed and capital investment given.

1787

Title	Selective Black Nickel Plating of Solar Collectors. NRDC Process No.1004 06 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed at Central Electro chemical Research Institute, Karaikudi.
Annotation	Introduction, process, raw materials and equipment needed and investment given.

1788

Title	Semi Automatic Building Block Making Machine. NRDC Process No.1012. 07. 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed by Structural and Mechanical Engineering Organisation, Madras.
Annotation	Introduction, description, demand, materials needed and terms of know-how transfer given.

1789

Title	Semi Automatic Portable Submerged Arc Welding Machine - Process No.526.5.5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CMERI, Durgapur.
Annotation	Gives the advantages of the process, design specifications, required raw materials and machinery for manufacture.

1790

Title	Semiconductor Trainer. NRDC Process 701:22-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Brief introduction, demand, description, materials for fabrication, block diagram and cost of production given.

1791

Title	Sigmoidoscope. NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at Instruments Research and Development Establishment (Dehradun).
Annotation	Introduction, description, special features, demand materials and eqquipment needed, capital investment and cost of production given.

1792

Title	Siliconised Oil based IAT Liquors. NRDC Process No.280 12 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CLRI, Madras-20
Annotation	Details of the product given.

1793

Title	Silver Impregnated Graphite Contacts - NRDC Process No.1064.04.86
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Physical Laboratory.(NPL), New Delhi.
Annotation	Gives the work done at the institute, uses of Graphite contracts with Silver impregnation, raw material, equipment etc. needed for manufacture.

1794

Title	Silver Paste for Mica Capacitor Electrodes - NRDC Process No.779.01.8
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Chemical Laboratory (NCL), Pune.
Annotation	Gives the process by which Silver is precipitated from a soluble salt of Silver. Specifications of the product, raw materials and equipment required for production are given.

1795

Title	Silver Powder and Silver Conducting Paints. NRDC Process No.1065 04 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed by NPL, New Delhi.
Annotation	The process is described and terms for release of knowhow given.

1796

Title	Simazine. NRDC Process No.599 12 5 (Reprint of 27 021)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Process developed at National Chemical Laboratory Poona-8.
Annotation	Details about the process developed, raw materials needed, and the uses of simazine given.

1797

Title	Soak Cleaning Compound for Steel Contaminated with Oil. NRDC Process No.1120-02-87
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Process developed at Central Electro-Chemical Research Institute (CSIR) Karaikudi.
Annotation	Details of the process given.

1798

Title	Sodium Hydrosulphide. NRDC Process No: 388 1 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Regional Research Laboratory, Jorhat.
Annotation	Introduction, properties, other uses, process demand, materials needed, and investment.

1799

Title	Sodium Hydrosulphite. NRDC Process No:417 05 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Poona.
Annotation	Introduction, process, raw materials needed given.

1800

Title	NRDC Reaching Out
Author	
Publisher	NRDC
Place	New Delhi
Type	Booklet
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1989
Notes	
Annotation	Talks about concept, approach, modalities followed by NRDC and the results achieved. Also contains brief description of Technologies for development and demonstration to rural people, viz. reducing drudgery of women, safe drinking water, low cost housing etc.

1801

Title	Sodium and Potassium Ion Selective Glass Electrode - Process No.600 11 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Glass and Ceramic Research Institute, Calcutta.
Annotation	Work done at the institute, on ion selective Glass electrodes requirements for production, techno-economics are given.

1802

Title	Soft Ferrites. NRDC Process No:1091 07 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed by NPL, New Delhi.
Annotation	Introduction, process, equipment, plant parameters given.

1803

Title	Soft Nasal Filter - Process No.1071-05-86
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at AIIMS, Delhi.
Annotation	Gives the details of the soft nasal filter, required raw material for production and costs.

1804

Title	Solar Water Heater Large Size & Domestic Size. NRDC Process No.1052 04 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at CBRI Roorkee.
Annotation	Details, cost, terms for release of know-how.

1805

Title	Solid State Distortion and Noise Level Meter. NRDC Process No.653 5 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by All India Radio New Delhi.
Annotation	Introduction, technical specifications, uses, demand, materials needed and production cost given.

1806

Title	Solidstate Inverters 500 VA and 1000 VA
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Electronics And Radar Development Establishment, Bangalore.
Annotation	Introduction principle of operation, work done, use inputs needed and cost of production given.

1807

Title	Stable Gel for Hot and Cold Sachets
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Poona.
Annotation	Introduction, scale of development, price, and present market given.

1808

Title	Standard Cell NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Introduction, demand description, raw material needed, cost of production and block flow diagram given.

1809

Title	Staple Pin Adhesive. NRDC Process No.581 10
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at NCL, Poona
Annotation	Introduction, process, materials needed, & capital outlay given.

1810

Title	Strawberry Aldehyde. NRDC Process No.336 06 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by RRL, Jorhat.
Annotation	Introduction, process, raw materials & equipment needed, & cost given.

1811

Title	Styropeel. NRDC Process No.209 09 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at DRL(Materials) Kanpur.
Annotation	Details about the compound given.

1812

Title	Submerged Arc Welding Fluxes. NRDC Process No.67. 08. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Process developed at National Metallurgical Laboratory, Jamshedpur. Indian patent no. 114500.
Annotation	Gives details about welding fluxes, raw material needed and capital outlay required.

1813

Title	Substitute for Bostik Seallants. NRDC Process No:326. 05. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Pune.
Annotation	Introduction, process, raw materials needed given.

1814

Title	Substitute for Canada Balsam. NRDC Process No:347. 07. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by National Botanical Gardens, Lucknow.
Annotation	Introduction, demand, materials needed, capital outlay, and cost of production given.

1815

Title	Substitute for Eider Down. NRDC Process No. 335. 05. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at: Defence Research Laboratory (Materials), Kanpur.
Annotation	Gives the process, cost, raw materials and machinery required.

1816

Title	Switching Mode Power Supply. NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Gives brief introduction, demand, description, block diagram, materials needed and cost of production.

1817

Title	Synchronizing Pulse Generator. NRDC Process No 562 8 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Indian Institute of Technology, Bombay.
Annotation	Introduction, description, techincal specifications, uses, materials needed and cost of production given.

1818

Title	Synthetic Gemstones. NRDC Process No.475 12 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Poona.
Annotation	Introduction, process, raw materials and equipment needed and total capital outlay given.

1819

Title	TTL Logic Trainer. NRDC Process 701:25-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Haryana State Electronics Development Corporation, Chandigarh.
Annotation	Intruduction, description, demand, equipments needed, cost of production and block flow diagram given.

1820

Title	Tairo Automatic Control on Slasher Sizing Machine - Process No.312.03.3, Patent No.131605
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by Textile & Allied Industries Research Organisation, Baroda.
Annotation	Describes the new design developed and the required raw materials etc. for production.

1821

Title	Tamarind Powder. NRDC Process No:1020. 09. 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed by Central Food Technological Research Institute, Mysore.
Annotation	Introduction, process, block flow diagram, materials needed and plant parameters given.

1822

Title	Tantalum Electrolytic Capacitors. NRDC Process No:1111. 11. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Electro chemical Research Institute, Karaikudi.Indian Patent no:115204
Annotation	Introduction, process, demand, materials, plant & machinery needed and total capital outlay given.

1823

Title	Tape Recorder (Two Track-Monophonic). NRDC Process No : 74. 08.Reprint No : 427. 05. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Electronics Engineering Research Institute, Pilani.
Annotation	Introduction, specification, raw materials needed, and cost given.

1824

Title	Tartaric Acid from Tamarind Leaves. NRDC Process No.219 09 2 Reprint No. 84. 09. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Regional Research Laboratory, Jorhat.
Annotation	Introduction, process, raw materials needed and total capital outlay given.

1825

Title	Technique for Grading Honing Stones, Abrasive Wheels. NRDC Process No.1097. 08. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at M/S Supercream, Bangalore
Annotation	Introduction, principle, advantages given

1826

Title	Terpineol
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Poona.
Annotation	Details of the process given.

1827

Title	Test Kit for Microbiological Quality of Drinking Water. NRDC Process 701:12-2-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Defence Research And Development Establishment, Gwalior.
Annotation	Introduction, demand, description, inputs, plant parameters and block diagram given.

1828

Title	Theophulline Aminophylline & Caffeine. NRDC Process No.201 08 2 (Reprint No. 33. 03. 1)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Poona.
Annotation	Details of the process given.

1829

Title	Thermal Conductivity Meter. NRDC Process No.701:1 1129. 09. 87
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Developed by CGCRI, Calcutta-700032.
Annotation	Introduction, demand, specifications, principle, materials needed, economics given.

1830

Title	Thermal Processed Fish Products. NRDC Process No.995. 03. 84
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	Developed at Central Food Technological Research Institute, Mysore.
Annotation	Description, process and the capital investment given.

1831

Title	NRDC at your Service
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1989
Notes	
Annotation	Introduces NRDC & its background, activities viz. Development and Transfer, Invention, Production, Development & Promotion of Rural Technology, Export and TIS etc.

1832

Title	Thick Film Hybrid Microcircuits - NRDC Process No.900:9, 1138.09.87
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Electronics Engineering Research Institute, Pilani.
Annotation	Describes the technique developed, raw material and equipment required for production etc. for thick film Hybrid Circuits.

1833

Title	Three Dimensional Panoramic Photographic Displays - Process No.545 7 5, also No.1072-05-86
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at NPL, Delhi.
Annotation	Gives the process, required material and equipment for production of 3-D Pictures.

1834

Title	Tide and Wave Telemeter. NRDC Process No.1089-06-86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at National Institute of Oceanography, (CSIR), Goa.
Annotation	Introduction, description, materials needed & techno economics given.

1835

Title	Time Switch for Electric Fan and the like
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Mechanical Engineering Research Institute, Durgapur.
Annotation	Describes the process, specifications, raw materials; equipments & capital investment required.

1836

Title	Tolbutamide - NRDC Process No.343. 07. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Regional Research Laboratory, Jorhat.
Annotation	Gives the process of making Tolbutamide. Raw materials, equipment, construction works required for manufacture are also given.

1837

Title	Transducers for Ultrasonic Applications in Air - NRDC Process No.303.02. 3
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Physical Laboratory (NPL), New Delhi.
Annotation	Gives the method of fabricating transducers capable of sending and receiving ultrasonic waves in Air. Raw materials and other requirements also given.

1838

Title	Transistorised Television Receiver - Process No.609. 12. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Electronics Engineering Research Institute, Pilani.
Annotation	Specifications, requirements for production and capital investment needed are given.

1839

Title	Transistorized TV Videocon Camera - Process No.80. 08. 1, Reprint No.608. 12 .5
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Electronic Engineering Research Institute (CEERI), Pilani (Raj).
Annotation	Gives specifications, required material and equipment for production and cost.

1840

Title	Trawl Depth Meter. NRDC Process No.478. 12. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Institute of Fisheries Technology, Cochin.
Annotation	Explains the necessity of the instrument, its construction, demand and uses.Also given are the raw materials, plants & machinery required and the cost.

1841

Title	Tri-N-Butyl Phosphate. NRDC Process No.464. 09. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by RRL, Jorhat, Assam.
Annotation	Introduction, demand, process, quality materials needed and investment given.

1842

Title	Trichlorobenzene. NRDC Process No: 715. 01. 7
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Poona.
Annotation	Introduction, process, materials needed and capital outlay given.

1843

Title	Trimethyl Phosphite. NRDC Process No:984. 12. 83
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1983
Notes	Developed by Regional Research Laboratory, Hyderabad.
Annotation	Introduction, process, raw materials needed, block flow diagram, and plant parameters given.

1844

Title	Tristearin like Materials and Commercial Stearic Acid from Castor Oil
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Regional Research Laboratory, Hyderabad.
Annotation	Introduction, existing and developed process, specifications, materials required and capital outlay given.

1845

Title	Tungsten Tablets. NRDC Process No.524 5 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Ooccasional
Year	
Notes	Developed at National Physical Laboratory, New Delhi.
Annotation	Gives a brief introduction, work done, demand, equipments & raw materials required and its techno economics.

1846

Title	Ultrasonic Hardness, Tester. NRDC Process No: 1101 11 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed by CSIO, Chandigarh
Annotation	Introduction, specifications, raw materials & equipment needed given

1847

Title	Ultrasonic Interferometer (For Velocity Measurements) NRDC Process No.1081 06 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed by NPL, New Delhi
Annotation	

1848

Title	Universal Klystron Power Supply and Modulation Unit - NRDC Process No.1073-05-86
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at National Physical Laboratory, (NPL) New Delhi
Annotation	Gives the specifications, requirements for production, costs etc. for generation of Microwaves using Klystron tube.

1849

Title	Universal Ultrasonic Generator
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Regional Research Laboratory, Bhubaneshwar.
Annotation	Introduction, work done, specifications, demand equipment and the techno economics given.

1850

Title	VHF Multichannel Electronic Tuner - NRDC Process No.840.11.9, Reprint No.1030.03.85
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Central Electronic Engineering Research Institute, Pilani.
Annotation	Gives the specifications, raw material and component required, equipment and capital needed etc. for manufacture

1851

Title	Vapour Phase Corrosion Inhibitor Coated Papers. NRDC Process No.700 11 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CECRI, (CSIR), Karaikudi.
Annotation	Introduction, cost of production given.

1852

Title	Vasec Apparatus. NRDC Process No:701:33 1127. 09. 87
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Developed at Central Scientific Instruments Organisation, Chandigarh.
Annotation	Introduction, specifications, raw materials & components needed, and investment given.

1853

Title	Vibration Generator type VG-2& Power Amplifier 512-A. NRDC Process No.401. 2. 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by National Aeronautical Laboratory, Bangalore.
Annotation	Introduction, estimated demand, materials needed and cost estimates given.

1854

Title	Vibration Isolation Tables. NRDC Process 2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed at Instruments Research & Development Establishment, Dehradun.
Annotation	Introduction, description, uses, demand, inputs, equipment needed and production cost given.

1855

Title	Vibrotone. NRDC Process No.1105 11 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1986
Notes	Developed at CEERI Extension Centre, Madras
Annotation	Introduction, specifications, materials needed. capital investment given.

1856

Title	Violin Bow Hair. NRDC Process No.104. 11. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CLRI, Madras.
Annotation	Details about production given.

1857

Title	Virus Lyophilizer Ultra Low Temperature (-50 Degree to 90 Degree C)Producing Refrigeration Systems. NRDC Process No 211. 09. 2
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Virus Research Centre, ICMR, Poona.
Annotation	Introduction, process, material needed, capital outlay and fixed capital needed given.

1858

Title	Vitamin B6. NRDC Process No 90. O. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Chemical Laboratory, Poona.
Annotation	Introduction, description, raw materials needed given.

1859

Title	Volume Change Measuring Apparatus. NRDC Process No. 45. 05. 1
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Building Research Institute, Roorkee. Indian Patent no. 106805.
Annotation	Explains the salient features of the apparatus, advantages and the cost of production.

1860

Title	Weaning Foods. NRDC Process No:48. 06. 1 Reprint No.:498. 3. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Central Food Technological Research Institute, Mysore.
Annotation	Introduction, process, present production & demand, plant & machinery, demand and capital outlay given.

1861

Title	Water Analysis Kit. NRDC Process No.537. 6. 5
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed by CSIO, Chandigarh
Annotation	Introduction, specifications, demand, raw materials needed, production cost given.

1862

Title	Water Displacing rust preventive Oil NRDC Process No.1098. 10. 86
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Developed at CECRI, Karaikudi.
Annotation	Introduction, materials needed, investment given.

1863

Title	Water Surface Follower. NRDC Process No. 658. 56
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at Central Water and Power Research Station, Poona.
Annotation	Details about the work done at the institute specifications, raw materials, plant & machinery given.

1864

Title	Water filter Candles - Process No. 719.02.77, Reprint No.1035.07.85
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at CGCRI, Calcutta (Central Glass & Ceramic Research Institute).
Annotation	Describes a new process for water treatment, katadyn filter candles, raw material required and capital outlay.

1865

Title	Wax Composition and Process for Preparing Non-DRIP Candle - NRDC Process No.172. 05. 2, Reprint No.415. 05. 4, Patent No.119256
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Defence Research Laboratory (M), Kanpur.
Annotation	Describes the candles made of paraffin wax and stearic acid for use at high attitudes and their Indigenous production.

1866

Title	Wax Insulating High Melting - Process No.919.10.01
Author	
Publisher	NRDC
Place	New Delhi
Type	Pamphlet
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Developed at Defence Materials Stores Research Development Estt., Kanpur.
Annotation	Describes a substitute for Okerine wax, production cost etc.

1867

Title	Wear & Abrasion Resistant Cast Iron "NML-WEARNOT". NRDC Process No:659. 06. 6
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Metallurgical Laboratory, Jamshedpur.
Annotation	Introduction, demand, process, materials needed, suggested economic unit and cost estimates given.

1868

Title	Wick Stove Redesigned
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed by Mr G.S. Tasgaonkar, Amravathi Engineering College, Amravathi.
Annotation	Introduction, description, materials and equipment needed, cost of production and working capital given.

1869

Title	Wind Mills. NRDC Process No. 40.4 .2 4
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	Developed at National Aeronautical Laboratory, Bangalore.
Annotation	Introduction, technical details and cost estimate given.

1870

Title	X-Y Position Co-ordinate LOCATOR System. NRDC Process 701:14-2(88)
Author	
Publisher	NRDC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Developed by Central Scientific Instruments Organistation, Chandigarh.
Annotation	Intruduction, principle of operation, demand, description, specification, inputs and cost of production given.

SAIL

Steel Authority of India Limited

V. 20

Records: 1871 — 1896

1871

Title	ASP Mirror/Vol.1980 V1
Author	
Publisher	Public Relations Department, Alloy Steel Plant
Place	Durgapur
Type	Journal
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	1988
Notes	
Annotation	Tells about employees suggestion scheme, developing human resources, modernisation in progress, hospital facilities, march of events etc.

1872

Title	An Endless Search for Excellence
Author	
Publisher	SAIL
Place	Ranchi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	Brought out on the occasion of inauguration of laboratory complex (Jan. 5, 1986).
Annotation	Outlines the activities of the R&D centre for SAIL and discusses in brief the infrastructural facilities.

1873

Title	Annual Report, 1985-86
Author	
Publisher	SAIL
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Documents the progress in Iron & Steel making, Thermal engineering, physical metallurgy, material technology, raw materials & sintering. Also gives list of executives and published Technical output.

1874

Title	Annual Statistics
Author	
Publisher	SAIL
Place	Bokaro
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	
Notes	
Annotation	This compilation is useful as a reference guide to all in the SAIL family, provides records of production, production flow etc.

1875

Title	Bhilai was the Beginning
Author	Krishna Moorthy K and Pradip Singh
Publisher	
Place	Bhilai
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	
Annotation	Discusses foreign relations in economic and industrial cooperation in technological collaboration and commercial association of the Bhilai Steel Plant.

1876

Title	CMO News
Author	
Publisher	Public Relations, CMO, SAIL
Place	Calcutta
Type	Newsletter
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1988
Notes	
Annotation	Gives a view of both customers demand and the supply position of steel.

1877

Title	Corporate Plan upto 2000AD
Author	
Publisher	Corporate Planning Directorate, SAIL
Place	New Delhi
Type	Plan
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Discusses the corporate mission and growth strategy of SAIL upto 2000 AD; also throws light on the financial plan and R&D plan.

1878

Title	Durgapur Steel Tidings 19 V1
Author	
Publisher	DURGAPUR STEEL PLANT, SAIL
Place	
Type	Journal
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1988
Notes	
Annotation	Gives information about workshop, DSP modernisation, innovation, change and improvements, thrust areas in steel, Durgapur notebook etc.

1879

Title	Experiences of Shop Improvement Groups, Rourkela Steel Plant.
Author	
Publisher	ROURKELA STEEL PLANT, SAIL
Place	Rourkela
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Gives a detailed description of the achievements of shop improvement groups(SIG) functioning in Rourkela Steel Plant.

1880

Title	Fairlie Focus 1973-V1
Author	
Publisher	Central Marketing Organisation
Place	
Type	Journal
Class	Open
Price	Not Priced
Frequency	Quarterly
Year	1988
Notes	
Annotation	Information about Bokaro's steel melting shop, about improving productivity in Bhilai, Bokaro, Salem, Rourkela etc., basic oxygen furnace steel making, articles, miscellany, promotions.

1881

Title	Growth 1972-VI
Author	
Publisher	Management Training Institute, RANCHI
Place	Ranchi
Type	Journal
Class	Classified
Price	Not Priced
Frequency	Irregular
Year	1987
Notes	A special issue on human resource management.
Annotation	Discusses the achievement of efficiency in public sector through innovative approaches in human resource management.

1882

Title	ISPAL SAMBAD
Author	
Publisher	Durgapur Steel Plant, SAIL, Public Relations Deptt
Place	Durgapur
Type	Journal
Class	Classified
Price	Not Priced
Frequency	Fortnightly
Year	1988
Notes	
Annotation	Provides general DSP news like contribution to CM's relief fund, new facilities of the public library.

1883

Title	Introduction to Ultrasonics
Author	
Publisher	Training & Development Centre, Bokaro Steel Plant
Place	Bokaro
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	
Notes	
Annotation	Gives a detailed description of theory and practice of ultrasonics and pulse echo technique.

1884

Title	Lecture Notes pertaining to Induction Programmes for Management Trainees - August 1-14, 1987
Author	
Publisher	
Place	Bihar
Type	Report
Class	Classified
Price	Not Priced
Frequency	One Time
Year	1987
Notes	
Annotation	Tells about growth of SAIL plants, inter-relations and cooperation among SAIL units, SAIL's relations with external agencies infrastructure and infrastructure agencies.

1885

Title	On a New Direction
Author	
Publisher	SAIL
Place	New Delhi
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	
Annotation	Discusses new groups of steel, cost control, new technologies and customer orientation.

1886

Title	Operational Statistics 1985-86
Author	
Publisher	
Place	Bhilai
Type	Report
Class	Classified
Price	Not Priced
Frequency	Annual
Year	
Notes	
Annotation	Provides commissioning dates&records, production summary, sintering plants, blast furnaces, mines, steel services etc.

1887

Title	Rourkela News 1984-V1
Author	
Publisher	Dr. Debjitrath, Manager, SAIL, Rourekela
Place	
Type	Booklet
Class	Classified
Price	Not Priced
Frequency	Bi-monthly
Year	1988
Notes	
Annotation	Gives information about rowing against tide by Rourkela steel plant, environment-protection and control, Rourkela spectrum.

1888

Title	SAIL Impressions
Author	
Publisher	SAIL
Place	
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Gives a brief description of the different steel plants the R&D and the training schemes.

1889

Title	SAIL News 1972-V1
Author	
Publisher	SAIL- Issued by Public Relations Division
Place	
Type	Journal
Class	Classified
Price	Not Priced
Frequency	Bi-monthly
Year	1988
Notes	
Annotation	Gives about captive mines of SAIL, ideas, innovations, improvements, awards & rewards, snippets & sports.

1890

Title	Salvaging an Organization
Author	
Publisher	SAIL
Place	New Delhi
Type	Periodical
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1988
Notes	Press clipping service.
Annotation	A press clipping which discusses the output and consumption of SAIL.

189

Title	Steel Authority of India Limited
Author	
Publisher	SAIL
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	
Annotation	Publicity brochure giving information on organisation & marketing network, seven plant profiles, products, quality control, R&D, training, human resources of SAIL.

1892

Title	Steel India 19 V1
Author	
Publisher	Research & Development Centre for Iron & Steel, SAIL
Place	Ranchi
Type	Journal
Class	Classified
Price	Not Priced
Frequency	Bi-annual
Year	
Notes	
Annotation	Gives about volumetric techniques for reduction studies of iron ore beds, possibilities of minimizing coke rates, determining optimum moisture content etc.

1893

Title	Steel Management Information
Author	
Publisher	R&D Centre for Iron & Steel (SAIL)
Place	Ranchi
Type	Journal
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1988
Notes	
Annotation	Provides access to literature in management, finance, marketing in steel industry as well as economic trends and forecasts; also gives compilation of articles and abstracts retrieved from metadex database and tables of contents of selected journals.

1894

Title	Steelmeet 1983-V1
Author	
Publisher	R&D Centre for Iron & Steel, SAIL
Place	Ranchi
Type	Report
Class	Classified
Price	Not Priced
Frequency	Quarterly
Year	1987
Notes	
Annotation	Provides information on global conferences/seminars/meetings etc. on ferrous metallurgy and related fields.

1895

Title	Technow/Fifth Issue
Author	
Publisher	Dr. G.A.Nair, Improvement Services Department, SAIL
Place	West Bengal
Type	Journal
Class	Open
Price	Not Priced
Frequency	Monthly
Year	1987
Notes	
Annotation	Contains information about gas cleaning plant, design of cold circulation, concept of fire loss prevention for the cause of national productivity, use of lubricants etc.

1896

Title	The Indian Steel Industry
Author	
Publisher	
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Irregular
Year	1988
Notes	
Annotation	Discusses the marketing of SAIL and some product specifications. Mentions quality control, R&D and training in SAIL.

UGC

University Grants Commission

V.21

Records: 1897 — 1901

1897

Title	Progress Report of COSIST supported Departments
Author	
Publisher	UGC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Report No.1.
Annotation	Contains report of monitoring & evaluation of 38 Departments (supported in phase I & II of the programme) out of total 62 Departments supported under COSIST Scheme. Also data on different activities of the Departments (teaching, research, publications etc.), its analysis in two annexures at the end.

1898

Title	Report of the Committee on Accreditation and Assessment Council
Author	
Publisher	UGC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1987
Notes	Annexure gives the list of the members of the committee on accreditation and assesment council.
Annotation	A draft report of the woking group on a possible mechanism for the accreditation and assessment of institutions of higher learning. Gives the important features of an accreditation system and the steps towards such a system.

1899

Title	UGC Programme on Science & Technology Infrastructure Development (COSIST) in Universities
Author	
Publisher	UGC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1988
Notes	Covers the years 1983-84 to 1987-88.
Annotation	Talks about the COSIST Scheme, its importance, basic objectives, modalities for assistance under COSIST, procedures for selection of departments, requirements and the procedures followed for monitoring & evaluation. The annexures contains details of departments (Total 93) supported under this Scheme.

1900

Title	University Grants Commission, Report for the Year 1985-86
Author	
Publisher	UGC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1986
Notes	
Annotation	Lists the activities of UGC, 1985-86 in faculty improvement programmes development of universities and colleges. Maintenance and co-ordination of standards, cultural exchange collaboration, financial assistance to students and providing higher education to women.

1901

Title	University Grants Commission, Report for the Year 1986-87
Author	
Publisher	UGC
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	The report is divided into 13 sections and lists the activities of U.G.C. in 1986-87, faculty development programmes. development of universities and colleges, maintenance and co-ordination of standards, cultural exchange programme etc.

Unpublished Dissertations and Others

V. 22

Records: 1902 — 1950

1902

Title	A Micro-Computer Based Union Catalogue Database System
Author	Nagaraja Rao K
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Describes the Micro-computer-based Union Catalogue system for the Creation, Search, Updating and Output of Periodicals at BHEL.

1903

Title	Renewable Energy Sources - Research in India - A State-of-the-art Report
Author	Jayasree C
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Presents a report on research efforts of Indian scientists in finding efficient methods of utilising available renewable sources of energy.

1904

Title	A Bibliography on Anti-Nuclear Warfare
Author	
Publisher	
Place	New Delhi
Type	Bibliography
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	A select Bibliography on Anti-Nuclear Warfare, 1978-82 with 354 entries, given under broad Subject groups.A List of sources consulted given.

1905

Title	A Bibliometric Study on Indian Agricultural Journals(1979-83)
Author	Kain KL
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Report of a study of the characteristics of Agricultural literature used by Indian scientists.

1906

Title	ASSAM COAL: A State-of-the-art Report on Basic & Applied Research
Author	Barooah PK
Publisher	
Place	New Delhi
Type	Status Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Presents a Review in 5 Chapters Basic & Applied Research done on Assam Coal; Nature and Composition of Assam Coal and various Reaction Processes involved are included, with a List of References.

1907

Title	An Integrated Information System for Fuel Cell Designers
Author	Prasad KVS
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Describes the Design and Development of a Prototype System comprising a Bibliographic Database, a Numeric Database and a Decision Support Capability for Fuel Cell Designers.

1908

Title	An Integrated Microcomputer-based System for an In-house SDI Service and Production of CAS Bulletin
Author	Reddy SHK
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Reports on in-house SDI Service, bringing out a Current Awareness Bulletin, using a Microcomputer.

1909

Title	Applications of Quantitative Methods to Information Science
Author	Garg KC
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1981
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Discussess Library and Infomation Science and Quantitative Methods like Linear Progamming, Decision Theory.

1910

Title	Automation of Serial Control : An Experimental Study
Author	Pandalai TA
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Analyses Serials Control work of NSL, to develop Computerised Operational Model for routine jobs.

1911

Title	Bibliography of Articles by Indian Authors on Ionospheric Physics
Author	
Publisher	
Place	New Delhi
Type	Bibliography
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1985
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	A Bibliography on Ionospheric Physics with 2489 entries arranged, A-Z by Author, Names.

1912

Title	Common Denominators in Science and Literature
Author	Pandit I
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Reports on the aims to find a mode linking literary and scientific writing, for better human understanding & knowledge, confining to english language. Chapters are on functions of Science & Literature, comparison in their styles, their communication modes and controversies etc.

1913

Title	Computer-based Storage, Retrieval and Processing of Principal Crop Production Information of India
Author	Srivastava SS
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1982
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Describes an Experiment on a Computerised System on Crop Production Data in India.

1914

Title	Design and Development of Translation Bank at DRDO
Author	Saxena SC
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1981
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Suggests a Design and Development of a Translation Bank for Non-English Literature at DESIDOC to deal with the problem of language barrier.

1915

Title	Design of a News Clipping Database using Mini/Micro CDS/ISIS
Author	Surinder Kumar
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Reports an Experimental Study of the design of Newspaper Index using MINI/MICRO CDS/ISIS Software package.

1916

Title	Directory of Environmental Information sources in MP (Persons & Institutions)
Author	Arora Ranjana
Publisher	
Place	New Delhi
Type	Directory
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Pesents Data & Information on Persons & Institutions in Environmental studies in 136 entries, 96 being entries on Persons, the rest Institutions, Industries and Non-Governmental Organisations-all in M.P.

1917

Title	Document Delivery: A Study of International Trends with a Suggested Plan for a Document Delivery System of India
Author	Kaanjal Aruna
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Describes INSDOC's experiene in providing Document Supply Sevice, suggests a National Document Delivery System, analysing International Trends to improve INSDOC's system and to supplement it.

1918

Title	Documentation Lists in Science and Technology
Author	Relan Sonia
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Provides a comprehensive list of secondary services comprising indexing and abstracting services, patents, accession lists, standards, technical reports, translations and digest services in S&T published in India.

1919

Title	Environmental Degradation in North-Eastern Hill Region
Author	Prodhani MA
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Presents the various factors causing environmental degradation in India's North Eastern region.

1920

Title	Genetic Research - A Bibliogrraphic Analysis of the Literature from Middle Level Countries
Author	Joglekar Asha
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Quantifies genetics literature of India, Australia, Canada & Israel by analysing publication & citation Data.

1921

Title	Guide to Information Sources on Medicinal and Aromatic Plants
Author	Pandita Naina
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Guide to Information sources to Primary, Secondary & Tertiary Literature in Medicinal and Aromatic Plants including International Organisations.

1922

Title	Historical Development and Technological Application of Superconductivity
Author	Singh UN
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1983
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	A Trend Report on Superconductivity with a Bibliometric Analysis, giving Information on Major Publishing Countries, Language Distribution, Ranked List of Journals, Primary Publications and their distribution etc.

1923

Title	Identification of Core Periodicals in Science & Technology for National Document Supply Service
Author	Chopra R
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Analyses the Demand for three years (1984-85, 85-86&86-87) in the Document Supply Service of INSDOC. Identifies 2, 165 core titles on the basis of a comparison of data of BLDSC, SCI list and CASSI lists.Gives the ranking of the Core List.

1924

Title	Indian contributions on Radio Science & Satellite Applications - A Bibliography
Author	
Publisher	
Place	New Delhi
Type	Bibliography
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Includes Indian contributions published in Indian & Foreign Journals. Arranged according to broad Subject Groups; included report of the Electronics Committee-Electronics in India 1966, Reports and Conferences.

1925

Title	Information on Intelligence from open sources
Author	Saxena FE
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Gives information sources on intelligence collecting activities.

1926

Title	Information sources on Military Aircraft
Author	Dua RK
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Provides an overview of various types of Information sources on Military Aircraft; Encyclopaedias, Dictionaries, Handbooks, Guides, Year Books, Primary and Secondary Periodicals etc.

1927

Title	Information sources on Small Industry
Author	Chelva Rai B
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Information sources, both documentary & institutional are given on Planning, Establishment Operation & Maintenance, Finance, Raw Materials, Machinery, Marketing, Training, Research, Exports, Consultancy, Standards, Statistics. Subject, product and Institutional Index given.

1928

Title	Micromputer -Based Information Storage & Retrieval for Standards using & dBASE III
Author	Khalique A
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Reports an experimental computerised information system for storage & retrieval of standards & specifications data.

1929

Title	Occupational Exposure to Lead Profiles and Perspectives
Author	Rawal CN
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1981
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Deals with Lead as a Occupational hazard;various aspects of Lead like its Chemistry, Hazards, Toxic Effects, Occupational therapy, Compensation Act and Safety etc. are discussed as seen through literature collected.

1930

Title	Patent Information Systems and Services
Author	
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Discusses universally available sources and services in Patent literature, the status of dissemination of Patent information in India and the available online Patent databases highlighted.

1931

Title	Personal Collections: Their Organisation & Maintenance
Author	Datta Neeta
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Analyses composition of collections of scientists, their organisation & maintenance of collections (data from 150 scientists), suggests methods of organising personal files.

1932

Title	Pesticides and Indian Pesticide Industry - A Status Report
Author	Srivastava Divya
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Presents the current status of Indian pesticide industry, with a detailed Bibliography.

1933

Title	Query-based Indexing System for Organic Reactions
Author	Srivastava PK
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Describes various available Reaction Indices, proposing a new improved index.

1934

Title	Research on Insect Taxonomy in India - A Trend Report 1981-85
Author	Gaur A
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Presents the trend of Insect Taxonomy Research in India as revealed by reviews in the Abstracting Journals from 1981-85.

1935

Title	Scientific Development and Abstracting Sevices with Special Reference to Indian Science Abstracts
Author	Pal R
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1984
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Traces the development of scientific peiodicals in India including abstracting peiodicals, analyses ISA's coverage of research articles, patents, standards, theses, conference proceedings. Points out deficiencies suggesting remedial measures

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1936

Title	Scientometric Analysis of 10 years (1975-84) of National Institution of Nutrition(ICMR), Hyderabad
Author	Ramnath Sastry S
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Report of a study of research output of National Institute of Nutrition. Analysis of papers in Indian & Foreign journals, citation for papers, authorship attribution etc. are given.

1937

Title	Scientometric Analysis of WHO Publications as well as WHO supported Research
Author	Sumati
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Reports a study on the global impact of WHO Publications on the basis of citation analysis, covering a period of Ten years.

1938

Title	Solid Waste Management in Developing Countries
Author	Bhide AD, Sunderesan
Publisher	
Place	New Delhi
Type	Report
Class	Open
Price	Rs.40
Frequency	Occasional
Year	1983
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	A State-of-the-Art Report on Solid Waste Management; 86 References and a Glossary of Terms included.

1939

Title	Sources of Information in Water Resource Management
Author	Asthana Rajiv
Publisher	
Place	
Type	Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1987
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Sources included are Scientific Associations, Learned Societies, Special Libraries, Information Centres, Reference Sources, Primary Sources, Bibliographical Sources, Patents, Standards Statistical Sources, Maps, Atlases etc.

1940

Title	Spatial Data Structures: An Approach to Mineral Exploration System Data Structure
Author	Murthy ES
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1985
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Makes a literature survey on Database structures for natural resources information-system, using the approach for resource management activity of Mineral Exploration.

1941

Title	Supergravity - A Bibliometric Study
Author	Bhattacharya H
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1986
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Presents citation analysis of supegravity literatue to find out the rate of growth of literrature, the Periodicals publishing most of the papers, and countries conducting research.

1942

Title	Thesaurus: A State-of-the art
Author	Sreeramana R
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1981
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Deals with different aspects of Theasaurus in relation to Information Storage and Retrieval including computer generation of Thesaurus.

1943

Title	Trend Report on Composite Fish Culture in India
Author	Gupta B
Publisher	
Place	New Delhi
Type	Project Report
Class	Open
Price	Not Priced
Frequency	One Time
Year	1982
Notes	Project Report of an INSDOC's Associate in Information Science - An unpublished Dissertation.
Annotation	Trend Report on Induction and Feasibility of Composite Fish Culture practices in India, with a historical perspective.

1944

Title	CMC Review 1988
Author	
Publisher	CMC
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Annual
Year	1988
Notes	
Annotation	Gives CMC activities, projects in transportation, communication, steel, power, water, law & order, banking & coal mining, INDONET, Impress railway passenger reservations, CMC products, R&D, Education & Training etc.

1945

Title	CMC Technical Digest
Author	
Publisher	CMC LTD
Place	Hyderabad
Type	Journal
Class	Classified
Price	Not Priced
Frequency	Quarterly
Year	1978
Notes	This journal is for internal circulation in CMC.
Annotation	Various stories related to computers from national & international journals, articles from scientific journals, new products announced, presentations made by CMC authors, E&T diary of CMC and list of new books acquired for the R&D library.

1946

Title	Impress-Railway Passenger Reservation System
Author	
Publisher	CMC
Place	New Delhi
Type	Leaflet
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Contains brief description of computerised railway reservation system including software, hardware, system configuration, on-line system software architecture.

1947

Title	The Third Eye-CMC's Central Monitoring System
Author	
Publisher	CMC
Place	New Delhi
Type	Folder
Class	Open
Price	Not Priced
Frequency	Occasional
Year	
Notes	
Annotation	Folder on central monitoring system, microprocessor remote processing units, central station where monitoring is done& reports generated.

1948

Title	Coal S&T, Annual Report - 1987-88
Author	
Publisher	CMPDI
Place	Ranchi
Type	Report
Class	Open
Price	Not Priced
Frequency	Annual
Year	1987
Notes	
Annotation	Profiles 63 Science & Technology projects in coal sector presented in 4 groups namely, coal beneficiation, Coal utilisation, Environment & Ecology. Contains brief discussion on each project including, titles, Data of Start & Completion, cost objective & status.

1949

Title	Antarctica : The unknown continent of unexplored wealth
Author	Dr.Quasim SZ and Dr. Joshi LU
Publisher	INSA
Place	New Delhi
Type	Report
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1984
Notes	
Annotation	Discusses in detail the scientific research carried out by the first two Indian Expeditions to Antarctica, apart from the geo-climatic conditions of the continent.

1950

Title	TIPS - A bridge across the South
Author	
Publisher	TIPS
Place	New Delhi
Type	Brochure
Class	Open
Price	Not Priced
Frequency	Occasional
Year	1988
Notes	Technological Information Pilot System, D-285, Defence Colony, New Delhi-24.
Annotation	Contains information about TIPS & its activities and its functioning. Also contains what type of information it can provide on what topics, number of participating countries in South-South Cooperation and type of linkage between the Main Centre and participating countries etc.

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An NMIS Publication
Feb. 1990